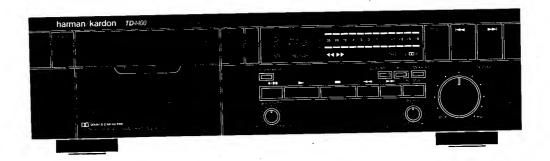
CD TRANSCRIPTION QUALITY CASSETTE DECK

Technical Manual



The following marks found in the parts list of this manual identify the models as follows.

North America area model Black version

: International model

: International model Black version

: Australia model Black version

harman/kardon

SPECIFICATIONS

J J	.0.10						
		Nominal	Limit			Nominal	Limit
Track Configuration	n	4-track	2 Channel Stereo	Channel Separation	45dB	≥ 35dB	
		Cassett	e Deck .	Crosstalk		70dB	≥ 60dB
· MECHANICAL S	ECTION			Record/Playback Dis	tortion		
Record/Playback T	ape Speed			(Input 1kHz)			
Drift 4.75cm/sec.		0.2% ±	2.0%		LN	0.9%	≤ 2.0%
Wow and Flutter		0.045%	(NAB) ≤ 0.1%		CrO ₂	1.5%	≤3.0%
		0.07% (CCIR)		Metal	1.3%	≤ 2.0%
Take Up Torque		50gr.cm	•	MPX Filter Attenuation	on		
Back Tension		4gr.cm	2 ~ 6gr.cm	at 15kHz		0.3dB	≤lfdB
F.FWD Torque		100gr.cr	n 70 ~ 150gr.cm	at 19kHz		35dB	≥ 30dB
REW Torque			n 70 ~ 150gr.cm	Erase Ratio (Input 80	Hz)		
F.FWD/REW Time		90sec.	≤ 100sec.		LN	70dB	≥ 60dB
(C-60 Tape)					Metal	61dB	≥ 56dB
· AMPLIFIER SECT	TION			Input Sensitivity		45mV 40	(min) ~ 100(max) mV
Bias Frequency		105kHz	± 5kHz	(Input 1kHz) at Line In			(····)
Playback Output		640mV :	± 1.5dB	Input Impedance	22kΩ 19(min) ~ 30(max) kΩ		
Signal-to-Noise Rat	tio			(Input 1kHz) at Line Input			,
at Line Input					•		
(Input 1kHz, 100r	mV)			· DIMENSIONS (W x	H x D)	17-3/8"	x 5" x 12-5/8"
IHF-A WTD at Do	olby Level			•	·		26 x 320 mm)
Dolby NR of	-					(
	LN	51dB		• WEIGHT		11.9lbs (5 4ka)
	CrO₂	54dB				*******	,o.41(g)
	Metal	54dB		• POWER SUPPLY			
Dolby B NR				U.S.A. and Canada	models	AC120V	60Hz
*	LN	61dB		International and A	ustralia models		/240V,50/60Hz
	CrO₂	64dB	≥ 60dB				2401,00/00/12
	Metal	64dB	≥ 60dB	• POWER CONSUME	TION		
Dolby C NR				U.S.A. and Canada		16W	
	LN	66dB		International and A		18W	
	CrO ₂	70dB	≥ 66dB		•		
	Metal	70dB	≥ 66dB	These specifications are Specifications and compo Overall performance will	onents are subject	to change w	ithout notice.

LEAKAGE TEST (FOR SERVICE ENGINEERS IN THE U.S.A.)

Before returning the unit to the user, perform the following safety checks:

- 1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the unit.
- 2. Replace all protective devices such as nonmetallic control knobs, insulating fishpapers, cabinet backs, or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
- 3. Be sure that no shock hazard exists; check for leakage current using Simpson Model 229 Leakage Tester, standard equipment item No.21641, RCA Model WT540A or use alternate method as follows:

Plug the AC line cord directly into a 120-volt AC receptacle (do not use an Isolation Transformer for this test). Using two clip leads, connect a 1500 ohm, 10-watt resistor paralleled by a 0.15µF capacitor, in series with all exposed metal cabinet parts and a known earth ground, such as a water pipe or conduit. Use a VTVM or VOM with 1000 ohms per volt, or higher sensitivity to measure the AC voltage drop across the resistor. (See Diagram.) Move the resistor connection to each exposed metal part having a return path to the chassis (antenna, metal, cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor. (This test should be performed with the power switch in both the On and Off positions.)

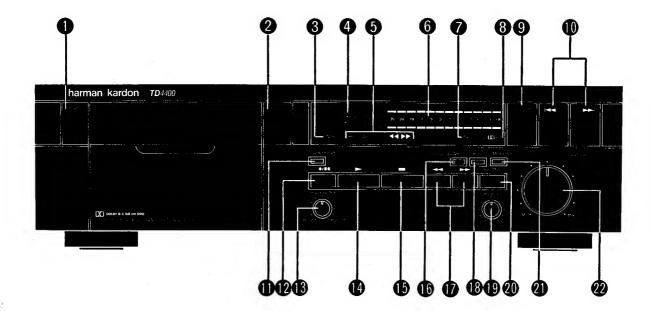
SIMPSON MODEL 229 ETC. FOR LEAKAGE TEST TO AC GROUND SUCH METAL SURFACE OF UNIT UNDER TEST AS WATER PIPE, BX CABLE, HIGH CONDUIT, ETC. GROUND VOLTAGE OR +LEAD LEAD VTVM AC SCALEO $1.5k\Omega$ 10W 0.15µF TEST PROBE

CONNECT TO KNOWN

A reading of 0.35 volt RMS or more is excessive and indicates a potential shock hazard which must be corrected before returning the unit to the

TO EXPOSED METAL PARTS

TO EACH EXPOSED



POWER SWITCH

Press to turn unit on and off.

2 EJECT

Press to load and remove tape cassette.

(3) INTRO

Indicates Intro Scan is engaged.

4 COUNTER

Indicates tape position in minutes and seconds.

6 REC PLAY

Displays operating mode: Record, Play, Rewind or Fast Forward.

6 LEVEL

Shows signal level.

7 TYPE I II IV

Automatically indicates type of tape in use.

8 DOLBY B C

Shows if Dolby B or C circuits are on.

9 INTRO SCAN

Previews each segment on a pre-recorded tape.

SKIP REVERSE/SKIP FORWARD

Locates the start of any desired segment on a pre-recorded tape.

(II) COUNTER RESET

Resets Tape Counter to 00:00.

12 RECORD/PAUSE

Puts cassette deck in Record ready or pause mode.

B BIAS FINE TRIM

Adjusts bias when recording.

PLAY

Begins playback or recording.

(E) STOP

Stops tape transport in any mode.

10 DOLBY* NR

Activates Dolby Noise Reduction circuitry for playing or recording tapes.

T REWIND/FAST FORWARD

Rapidly rewinds or advances tape.

B B/C

Selects Dolby B or Dolby C Noise Reduction.

19 BALANCE

Adjusts balance between left and right channels when recording.

20 RECORD MUTE

Inserts blank space when recording.

MPX FILTER

Press when recording FM stereo broadcasts using Dolby noise reduction.

22 INPUT LEVEL

Adjusts recording level.

* NOTE

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.

DISASSEMBLY PROCEDURES (REFER TO PAGES 9, 10 AND 11)

[1] CABINET TOP (133) REMOVAL

Remove 4 screws (A) and 2 screws (B), then remove the Cabinet Top (133).

[2] FRONT PANEL ASSEMBLY (AA) REMOVAL

- 1. Remove the Cabinet Top (133). (Refer to step 1.)
- 2. Remove the Plate with window (140 and 143).
- Disconnect CN801, CN901 and CN902 connected to the Main P. C. Board (PCB-1).
- 4. Remove 3 Rotary Knobs (147 and 151) and the Nut.
- Remove 7 screws (C) and then remove the Front Panel Assembly (AA).

[3] CASSETTE TAPE RECORDER MECHANISM ASSEMBLY REMOVAL

- 1. Remove the Front Panel Assembly (AA). (Refer to step 2.)
- Disconnect LCN801, LCN802 and LCN803 connected to the Cassette Tape Recorder Mechanism Assembly.
- Disconnect CN101 and CN301 connected to the Main P. C. Board (PCB-1).
- 4. Remove the spring (179).
- Remove 6 screws (D) and then remove the Cassette Tape Recorder Mechanism Assembly.

[4] MAIN P. C. BOARD (PCB-1) REMOVAL

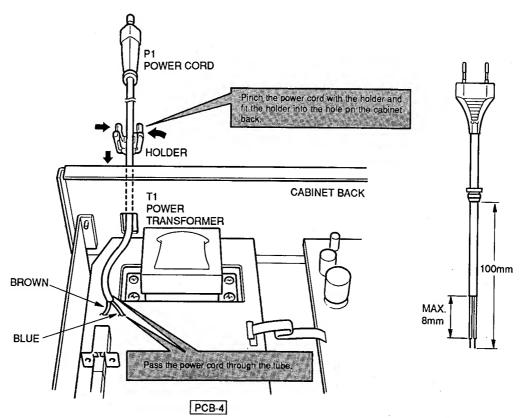
- 1. Remove the Cabinet Top (133). (Refer to step 1.)
- 2. Disconnect CN101 and CN301 connected to the Cassette Tape Recorder Mechanism Assembly.
- Disconnect CN102 and CN103 connected to the Front P. C. Board (PCB-2).
- Disconnect JL101 connected to the Power P. C. Board (PCB-4)
- 5. Remove the screw (E) and the metal fitting (164).
- Disconnect CN501, CN502 and CN503 and then remove the Dolby NR P. C. Board (PCB-3) from the Main P. C. Board (PCB-1).
- Remove 8 screws (F), then remove the Main P. C. Board (PCB-1).

[5] OTHER P. C. BOARDS REMOVAL

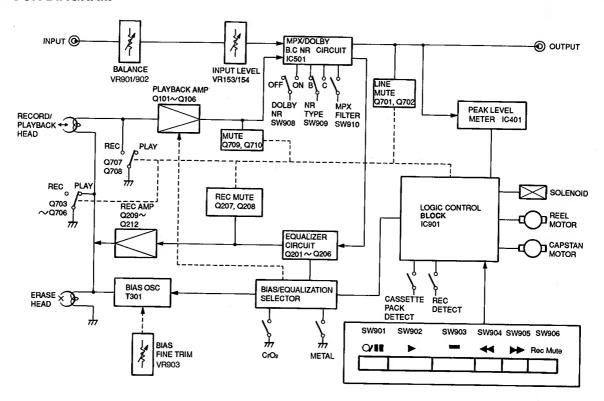
- 1. Remove the Front Panel Assembly (AA). (Refer to step 2.)
- Remove 8 screws (G) and 3 screws (H), then remove the Front P. C. Board (PCB-2).
- Remove 4 screws (I) and then remove the Power P. C. Board (PCB-4). If necessary, disconnect the connector.

POWER CORD REPLACEMENT (FOR SERVICE ENGINEERS OTHER THAN NORTH AMERICA)

In order to prevent fire or shock hazard when replacing the power cord, follow the Procedure below to replace the part with the standard supply parts.



BLOCK DIAGRAM



CIRCUIT DESCRIPTION

PLAYBACK SIGNAL

The signal from the playback head is amplified by the playback amplifier Q101, Q103 and Q105 (L ch.), and is applied to the pins 2 (L ch.) and 29 (R ch.) of the Dolby NR IC501 (B/C type). Switching of the playback signal from the record mode (external input signal) to the playback mode is performed inside IC501.

IC501 is usually switched to the playback mode. However, the control signal transmitted to the pin 5 of IC501 from IC901 through Q505 and Q506 switches IC501 from the record mode to the playback mode. The input signal to IC501 is output from the pins 6 (L ch.) and 25 (R ch.) and applied to the OUTPUT jack and the PEAK LEVEL METER circuit. The characteristics of the playback equalizer are defined by the BIAS/EQUALIZATION switch and are selected and specified in Q107 (L ch.) and Q108 (R ch.)

RECORD SIGNAL

The signal from the INPUT jack is controlled by the INPUT LEVEL control and BALANCE control and is applied to pins 1 (L ch.) and 30 (R ch.) of the Dolby NR IC501 (B/C type). Switching of the record signal from the playback mode to the record mode is performed inside IC501. The control signal transmitted to the pin 5 of IC501 from IC901 through Q505 and Q506 switches IC501 from the playback mode to the record mode.

The input signal to the Dolby NR IC is output from pins 3 (L ch.) and 28 (R ch.) of IC501 and passes through the MPX filter. Then it is input to the pins 4 (L ch.) and 27 (R ch.) and is output from the pins 7 (L ch.) and 24 (R ch.). The signal output from IC501 passes through the record equalizer circuit and is amplified by the record amplifier of Q210 and Q212 (L ch.), Q209 and Q211 (R ch.). The amplified signal is then applied to the recording head after being synthesized by a bias signal.

MUTING OPERATION

The signal that mutes the sound produced at switching to recording or playback is applied from IC901 of the logic control block.

When the "STOP" button is pressed, the mute signal output from the pin 28 of IC901 turns ON Q701 (L ch.) and Q702 (R ch.) to short-circuit the output signals of the playback amplifiers for muting. For the purpose of preventing generation of noise at power ON/OFF, the mute signal is output from Q51. The muting is done by short circuiting the output signal with Q701 (L ch.) and Q702 (R ch.) turned ON.

LOGIC FOR RECORD MODE

When the "REC" button is pressed, the pin 27 of IC901 becomes high level and Q709 (L ch.) and Q710 (R ch.) turn ON. The input to the Dolby NR IC is muted. Also Q713 and Q712 turn ON and Q711 turns OFF. Therefore Q703, Q705 (L ch.) and Q704, Q706 (R ch.) turn OFF to release the muting of the outputs from the record amplifiers.

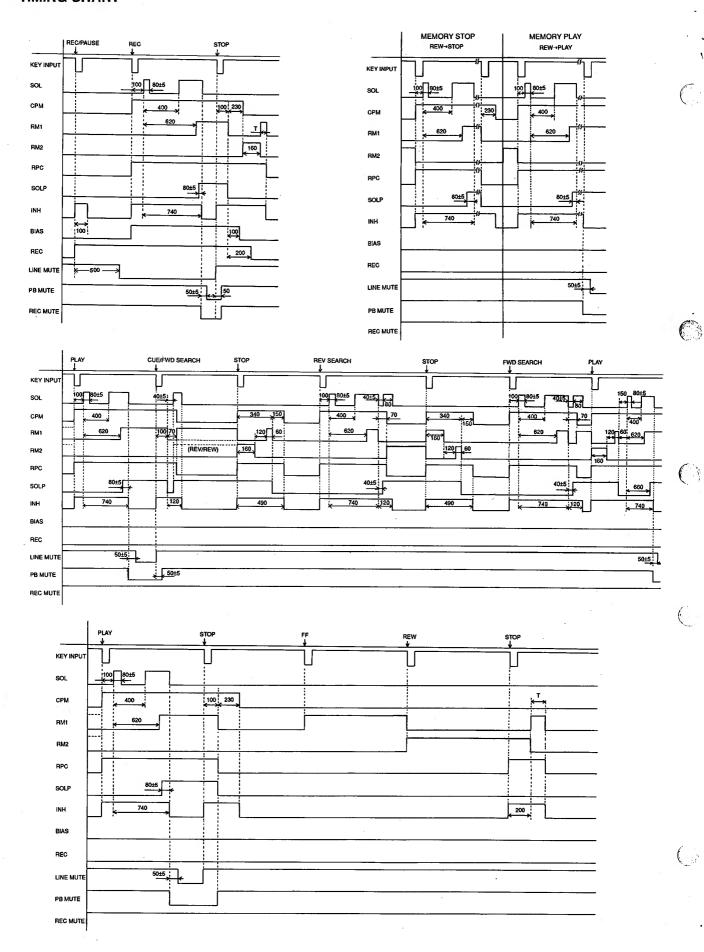
Also, Q505 turns ON and Q506 turns OFF to make the pin 5 of IC501 high level. Therefore the mode is switched to the record mode.

LOGIC FOR RECORD TO PLAYBACK MODE

When the "STOP", "PAUSE" or "PLAY" button is pressed, the pin 26 of IC901 becomes high level. Q215 turns ON and Q208 (L ch.), Q207 (R ch.) turn ON to mute the inputs to the record amplifiers. Also, Q713 and Q714 turn OFF and Q711 turns ON to turn ON Q703, Q705 (L ch.) and Q704, Q706 (R ch.). Therefore the outputs from the record amplifiers are muted.

Also, Q505 turns OFF and Q506 turns ON to make the pin 5 of IC501 low level. Therefore the mode is switched to the playback mode.

TIMING CHART



ALIGNMENT PROCEDURES (REFER TO PAGES 12, 13, 20 AND 21)

■ CASSETTE MECHANISM CONFIRMATION

Make sure to confirm conditions of the cassette mechanism as follows before adjustment.

1. Confirmation of erase prevention function

 The switch should turn ON when a tape with erroneous erase preventive pawl is inserted. (Use a tape which is 0.2mm smaller than the minimum size of 62.9mm or a MAZ-0184-C gauge one.)

2. Confirmation of cassette pack detection function

- The switch should turn ON when a tape is inserted. (Use a tape whose minimum size is 63.5mm or a MAZ-0184-C gauge one.)
- When the switch arm is moved back gradually from the ON position, the switch should turn OFF.

3. Confirmation of eject function

- The cassette compartment opens smoothly and no abnormal noise should be heard while opening and closing.
- The eject lock arm opens smoothly without contacting the chassis and damper.
- · The eject button can not be pressed during playback.

4. Confirmation of playback, fast forward and rewind functions

 The torque used in each of the playback, fast forward and rewind modes should be within specification.

 Playback
 35gr.cm~70gr.cm

 FastForward
 70gr.cm~150gr.cm

 Rewind
 70gr.cm~150gr.cm

 No abnormal noise should be heard during operation in any mode. The solenoid switching sound should not be considered as a noise.

Confirmation of positions of record/playback head and erase head

- · Head height
- a) Set the M-300 head gauge.
- b) Set the unit in the playback mode and place the adjustment chip on the head gauge as shown in the Fig. 1.
- c) The adjustment chip should not contact the tape guide of both record/playback head and erase head.

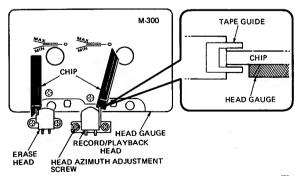


Fig. 1

- Head position
- a) Set the M-300 head gauge.
- b) Set the unit in the playback mode and place the adjustment chip on the head gauge as shown in the Fig. 2.
- c) With both record/playback head and erase head, the adjustment chip should be between MIN and MAX of the M-300 head gauge.

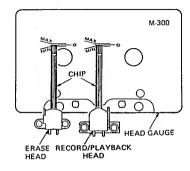


Fig. 2

■ ELECTRICAL ADJUSTMENT AND CONFIRMATION

1. Before adjustment

- Before electrical adjustment, make sure that confirmations of the cassette mechanism are all completed.
- After the power switch is pushed on, wait for 10 minutes before measuring to be sure of the most stable operation.
- Since head magnetization, dust accumulations, etc. are likely to introduce errors in the various characteristics, it is very important that the heads are properly demagnetized and cleaned before commencing any adjustment, particularly frequency response and head azimuth adjustment.

2. Instruments required

- Low frequency oscillator
- · AC VTVM or dual channel AC VTVM
- Oscilloscope
- Wow/flutter meter
- Frequency counter
- Distortion meter

3. Test tapes

•	Azimuth adjustment MTT-114 or TCC-153	
•	Tape speed adjustmentMTT-111DN or TCC-112	
٠	Playback output level adjustment TCC-130 or MTT-150	
•	Playback frequency characteristic confirmation	
	TCC-1216 or TCC-162C and TCC-262C	
•	Music search adjustment SCC-1425	
•	Reference tapes	
	LN SCC-502	
	CrO₂ SCC-1360	
	METAL SCC-565	

Note:

C-90 differes with C-60 in the thickness and bias is of unequal, so adjust with the tape whose bias in of specified value.

4. General conditions (unless otherwise noted)

Controls and Switches	Settings
Dolby NR	Off
Input Level	Maximum
MPX Filter	Off
Bias Fine Trim	Center
Balance	Center

Azimuth Adjustment

When the maximum level point of R channel does not equal that L channel, connect the oscilloscope as shown in Fig. 3 and proceed with azimuth adjustment so that L and R channels are in phase.

- a) Connect L channel tape out to "X (or V)" and R channel to "Y (or H)". Observe the lissajouss waveform.
- b) Set L and R channels to monaural. Adjust vertical and horizontal gain so that the waveform becomes 45 degree.
- c) Adjust azimuth so that the measurement of "a" becomes maximum and the measurement of "b" becomes minimum against the 45 degree line.

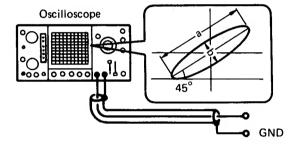
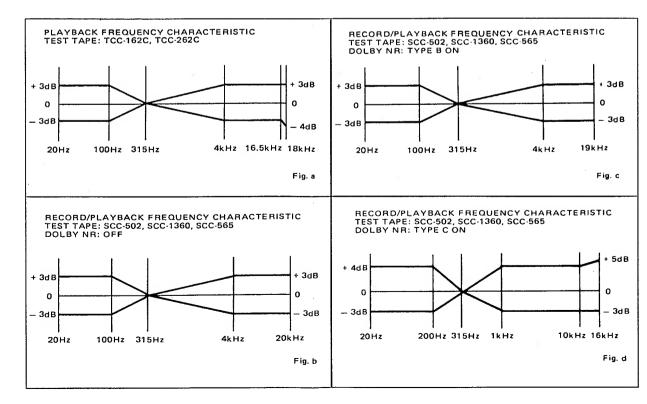


Fig. 3



ALIGNMENT PROCEDURES (REFER TO PAGES 12, 13, 20 AND 21)

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 The torque used in each of the playback, fast forward and rewind modes should be within specification.

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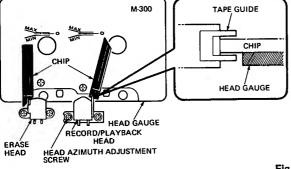


Fig. 1

- Head position
 - a) Set the M-300 head gauge.
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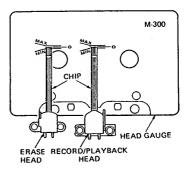


Fig. 2

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 cleaned before commencing any adjustment, particularly
 frequency response and head azimuth adjustment.

2. Instruments required

- · Low frequency oscillator
- · AC VTVM or dual channel AC VTVM
- Oscilloscope
- · Wow/flutter meter
- · Frequency counter
- · Distortion meter

3. Test tapes

•	Azimuth adjustment MTT-114 or TCC-153
•	Tape speed adjustment MTT-111DN or TCC-112
•	Playback output level adjustment TCC-130 or MTT-150
•	Playback frequency characteristic confirmation
	TCC-1216 or TCC-162C and TCC-262C
•	Music search adjustment SCC-1425
•	Reference tapes
	LN SCC-502
	CrO ₂ SCC-1360
	METAL SCC-565

Note:

C-90 differes with C-60 in the thickness and bias is of unequal, so adjust with the tape whose bias in of specified value.

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Controls and Switches	Settings
Dolby NR	Off
Input Level	Maximum
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Balance	Center

Azimuth Adjustment

When the maximum level point of R channel does not equal that L channel, connect the oscilloscope as shown in Fig. 3 and proceed with azimuth adjustment so that L and R channels are in phase.

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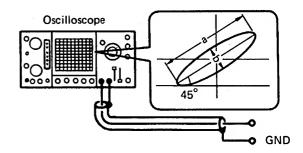
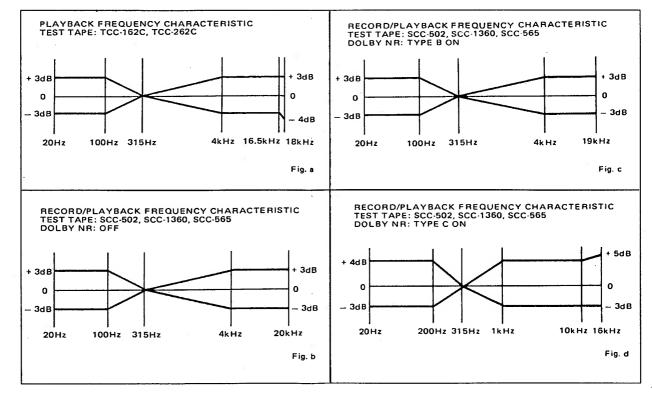


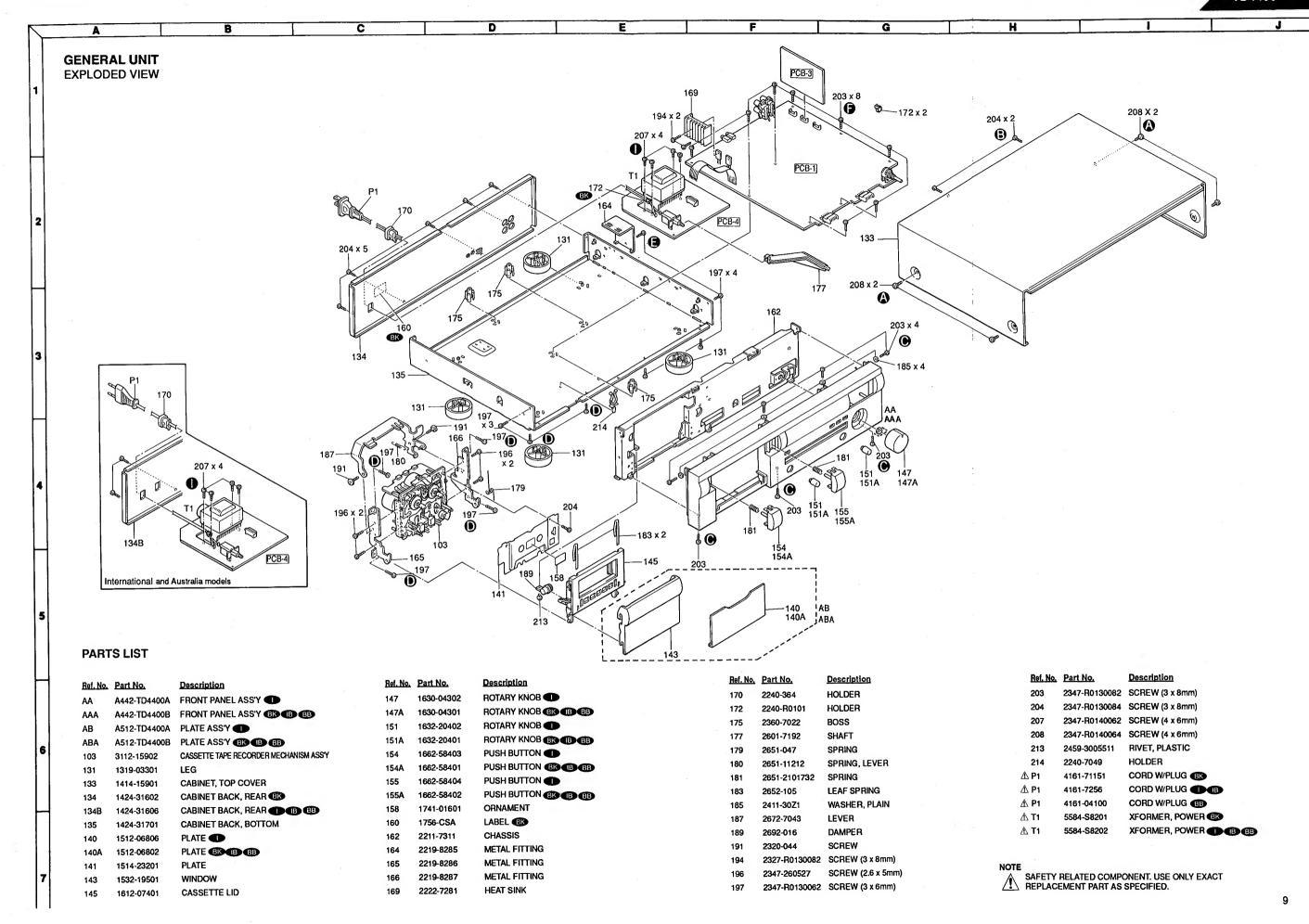
Fig. 3

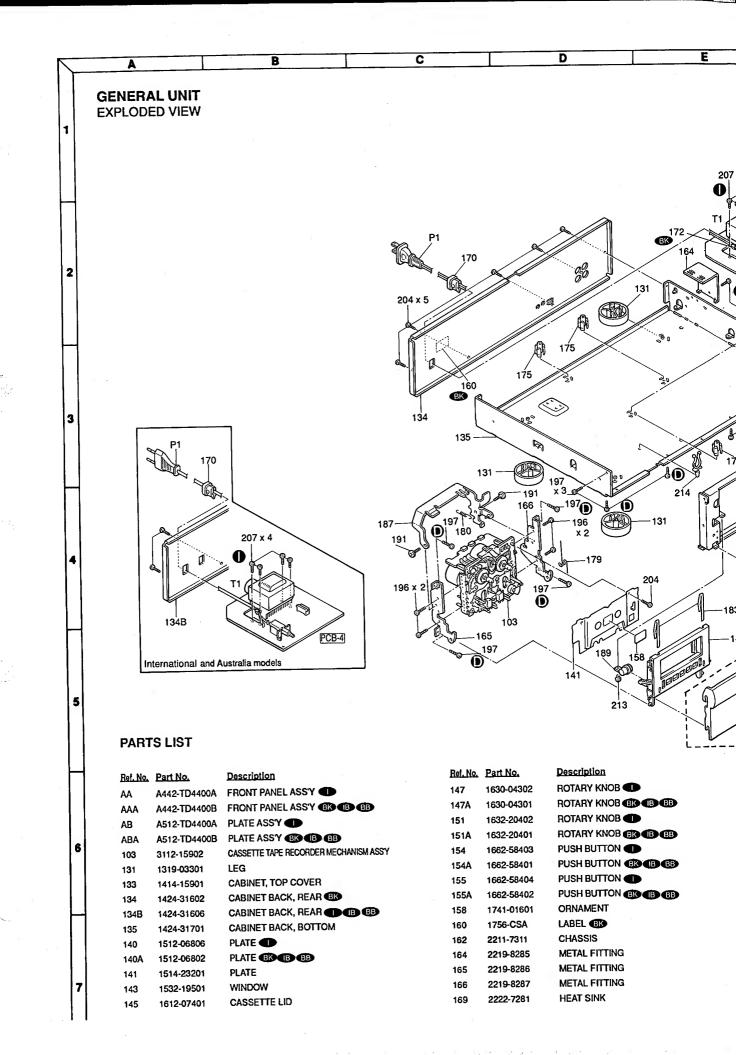


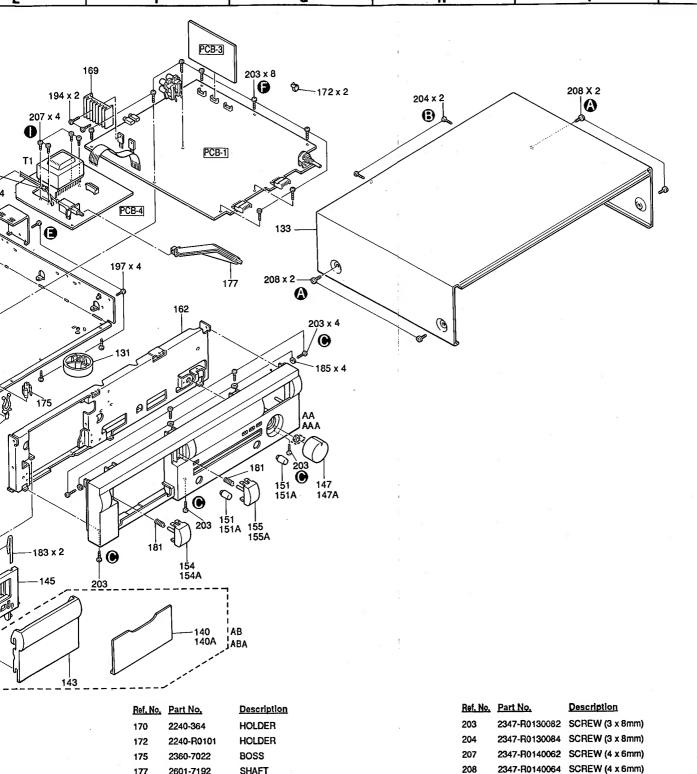
lep	Alignment	linstrument Required	Input Signal	Mode	Test Point	Adjustment	For
	Azimuth	VTVM Oscilloscope Test tape (MTT-114 or TCC-153)		РВ	TP501 (Lch), GND TP502 (Rch), GND or OUTPUT jack	Azimuth screw	Maximum output Refer to "Azimuth Adjustment" on page 7.
2	Tape speed	Frequency counter Test tape (MTT-111DN or TCC-112)		РВ	TP501 (Lch), GND TP502 (Rch), GND	VR (built in motor)	3000Hz ± 10Hz Adjust at the center of test tape.
3	Playback output level	VTVM Test tape (TCC-130 or MTT-150)		PB	TP501 (Lch), GND TP502 (Rch), GND	VR101 (Lch) VR102 (Rch)	775mV Tape selector is LN position.
	Playback frequency characteristic confirmation	VTVM Test tape (TCC-1216 or TCC-162C and TCC-262C)		РВ	TP501 (Lch), GND TP502 (Rch), GND or OUTPUT jack	R129, R130 R131, R132 R133, R134	Unsolder resistors of R129 and R130, R131 and R132, or R133 and R134 so that the frequency response is within the range as shown in Fig. a.
5	Music search	VTVM Oscilloscope Test tape (SCC-1425)		FORWARD SEARCH	TP701, GND	VR751	1.6 ±0.05V
	Bias frequency confirmation	Frequency counter		REC/PB	TP101 (Lch), GND TP102 (Rch), GND	T301	105kHz ± 3kHz Tape selector is METAL position.
7	Dolby HX PRO	VTVM		REC/PB Bias Trim High Cut VR301,302 Bias MAX	TP101 (Lch), GND TP102 (Rch), GND	L301 L302	Maximum output Tape selector is METAL position. After adjustment for L301 and L302, set bias fine trim (VR301 and VR302) to the center position.
8	Bias trap	VTVM	*	REC/PB	TP201 (Rch), GND TP202 (Lch), GND	LC201, LC202 LC203, LC204	Minimum output Tape selector is METAL position.
				*		VR301 VR302	85mV Tape selector is METAL position.
2	Bias level (pre-adjustment)	VTVM		REC/PB	TP101 (Lch), GND TP102 (Rch), GND	VR305 VR306	55mV Tape selector is CrO₂ position.
3	*	·				VR303 VR304	33mV Tape selector is LN position.
10	Record level (pre-	VTVM Blank tapes CrO₂ SCC-1360	Apply 1kHz signal to INPUT jack. Set INPUT LEVEL knob so that TP501 and TP502 to GND voltage is 775mV in REC-PAUSE	REC/PB	TP501 (Lch), GND	VR201, VR202 VR301, VR302	388mV Tape selector is METAL position. Adjust VR301 and VR302 so that the distortioon becomes 1.1%~1.4%
	adjustment)	METAL SCC-565 LN SCC-502	mode.	· .	TP502 (Rch), GND	VR303, VR304 (CrO₂) VR305, VR306 (LN)	388mV Adjust VR303 and VR304 so that the distortion becomes 1.3% (CrO ₂). Adjust VR305 and VR306 so that the distortion becomes 1.0% (LN). This confirmation should be at each tape selector position.
		VTVM	Apply 1kHz signal to INPUT jack. Set INPUT LEVEL knob so that			VR303, VR304 L201, L202 (VR301, VR302)	So that the record/playback frequency response is flat (at least within the range in Fig. b). Tape selector is CrO ₂ position.
2	Record/playback equalizer frequency characteristic	Blank tapes CrO₂ SCC-1360 METAL SCC-565 LN SCC-502	TP501 and TP502 to GND voltage is 25dB below 775mV in REC-PAUSE mode. Then adjust with a 20Hz to 30kHz sweep signal.	REC/PB	OUTPUT jack	VR301 VR302	So that the record/playback frequency response is flat (at least within the range in Fig. b). Tape selector is METAL position.
3		EN 600 002		,		VR305, VR306 L201, L202 (VR301, VR302)	So that the record/playback frequency response is flat (at least within the range in Fig. b). Tape selector is LN position.
j2	Record level	VTVM Blank tapes CrO₂ SCC-1360 METAL SCC-565 LN SCC-502	Set INPUT LEVEL knob so that TP501 and TP502 to GND voltage is 775mV in REC-PAUSE mode.	REC/PB	TP501 (Lch), GND TP502 (Rch), GND	VR201 VR202	775mV Perform adjustment using CrO ₂ . Perform checking only for LN and METAL tapes.
13	Meter level	VTVM	Apply 1kHz signal to INPUT jack. Set INPUT LEVEL knob so that TP501 and TP502 to GND voltage is 1.5dB below 775mV.	REC- PAUSE	PEAK LEVEL METER	VR401 VR402	Confirm peak level meter reads: -1 dB.
14	MPX filter characteristic confirmation	VTVM	Apply 19kHz, 15kHz and 1kHz signal to INPUT jack. Set INPUT LEVEL knob so that TP501 and TP502 to GND voltage is 775mV.	REC- PAUSE MPX filter ON	TP501 (Lch), GND TP502 (Rch), GND or OUTPUT jack	LC501 LC502	Adjust for -0.3 dB at 15kHz and >30 dB at 19kHz.
15	Record/playback equalizer frequency characteristic confirmation	VTVM Blank tapes CrO₂ SCC-1360 METAL SCC-565 LN SCC-502	Apply 1kHz signal to INPUT jack. Set INPUT LEVEL knob so that TP501 and TP502 to GND voltage is 25dB below 775mV in REC-PAUSE mode. Then adjust with a 20Hz to 30kHz sweep signal.	REC/PB	OUTPUT jack		Perform checking with Dolby B and C NR ON at each tape selector position. Confirm the record/playback frequency characteristic is within \pm 3 dB at 20t to 20 kHz.

Step	Alignment -	Instrument Required	Input Signal	Mod
	Azimuth	VTVM Oscilloscope Test tape (MTT-114 or TCC-153)		РВ
2	Tape speed	Frequency counter Test tape (MTT-111DN or TCC-112)		РВ
3	Playback output level	VTVM Test tape (TCC-130 or MTT-150)		РВ
A	Playback frequency characteristic confirmation	VTVM Test tape (TCC-1216 or TCC-162C and TCC-262C)		РВ
# 51 - F	Music search	VTVM Oscilloscope Test tape (SCC-1425)		FORW SEAR
6	Bias frequency confirmation	Frequency counter		REC/F
7	Dolby HX PRO	VTVM		REC/F Bias T High C VR301 Bias M
81	Bias trap	VTVM		REC/F
9 2	Bias level (pre-adjustment)	VTVM		REC/F
10-	Record level (pre- adjustment)	VTVM Blank tapes CrO ₂ SCC-1360 METAL SCC-565 LN SCC-502	Apply 1kHz signal to INPUT jack. Set INPUT LEVEL knob so that TP501 and TP502 to GND voltage is 775mV in REC-PAUSE mode.	REC/
11 2	Record/playback equalizer frequency characteristic	VTVM Blank tapes CrO ₂ SCC-1360 METAL SCC-565 LN SCC-502	Apply 1kHz signal to INPUT jack. Set INPUT LEVEL knob so that TP501 and TP502 to GND voltage is 25dB below 775mV in REC-PAUSE mode. Then adjust with a 20Hz to 30kHz sweep signal.	REC/
12	Record level	VTVM Blank tapes CrO₂ SCC-1360 METAL SCC-565 LN SCC-502	Set INPUT LEVEL knob so that TP501 and TP502 to GND voltage is 775mV in REC-PAUSE mode.	REC/I
13	Meter level	VTVM	Apply 1kHz signal to INPUT jack. Set INPUT LEVEL knob so that TP501 and TP502 to GND voltage is 1.5dB below 775mV.	REC- PAUS
14	MPX filter characteristic confirmation	VTVM	Apply 19kHz, 15kHz and 1kHz signal to INPUT jack. Set INPUT LEVEL knob so that TP501 and TP502 to GND voltage is 775mV.	REC- PAUS MPX ON
16. 16. 18. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19	Record/playback equalizer frequency characteristic confirmation	VTVM Blank tapes CrO₂ SCC-1360 METAL SCC-565 LN SCC-502	Apply 1kHz signal to INPUT jack. Set INPUT LEVEL knob so that TP501 and TP502 to GND voltage is 25dB below 775mV in REC-PAUSE mode. Then adjust with a 20Hz to 30kHz sweep signal.	REC/

Mode	Tast Point	Adjustment	POTATO SERVED SERVICE FOR A PARTY OF THE SERVICE SERVI
РВ	TP501 (Lch), GND TP502 (Rch), GND or OUTPUT jack	Azimuth screw	Maximum output Refer to "Azimuth Adjustment" on page 7.
РВ	TP501 (Lch), GND TP502 (Rch), GND	VR (built in motor)	3000Hz ± 10Hz Adjust at the center of test tape.
РВ	TP501 (Lch), GND TP502 (Rch), GND	VR101 (Lch) VR102 (Rch)	775mV Tape selector is LN position.
PB !	TP501 (Lch), GND TP502 (Rch), GND or OUTPUT jack	R129, R130 R131, R132 R133, R134	Unsolder resistors of R129 and R130, R131 and R132, or R133 and R134 so that the frequency response is within the range as shown in Fig. a.
FORWARD SEARCH	TP701, GND	VR751	1.6 ±0.05V
REC/PB	TP101 (Lch), GND TP102 (Rch), GND	T301	105kHz ± 3kHz Tape selector is METAL position.
REC/PB Bias Trim High Cut VR301,302 Bias MAX	TP101 (Lch), GND TP102 (Rch), GND	L301 L302	Maximum output Tape selector is METAL position. After adjustment for L301 and L302, set bias fine trim (VR301 and VR302) to the center position.
REC/PB	TP201 (Rch), GND TP202 (Lch), GND	LC201, LC202 LC203, LC204	Minimum output Tape selector is METAL position.
		VR301 VR302	85mV Tape selector is METAL position.
REC/PB	TP101 (Lch), GND TP102 (Rch), GND	VR305 VR306	55mV Tape selector is CrO₂ position.
7		VR303 VR304	33mV Tape selector is LN position.
REC/PB	TP501 (Lch), GND	VR201, VR202 VR301, VR302	388mV Tape selector is METAL position. Adjust VR301 and VR302 so that the distortioon becomes 1.1%~1.4%
÷	TP502 (Rch), GND	VR303, VR304 (CrO₂) VR305, VR306 (LN)	388mV Adjust VR303 and VR304 so that the distortion becomes 1.3% (CrO ₂). Adjust VR305 and VR306 so that the distortion becomes 1.0% (LN). This confirmation should be at each tape selector position.
		VR303, VR304 L201, L202 (VR301, VR302)	So that the record/playback frequency response is flat (at least within the range in Fig. b). Tape selector is CrO ₂ position.
REC/PB	OUTPUT jack	VR301 VR302	So that the record/playback frequency response is flat (at least within the range in Fig. b). Tape selector is METAL position.
*		VR305, VR306 L201, L202 (VR301, VR302)	So that the record/playback frequency response is flat (at least within the range in Fig. b). Tape selector is LN position.
REC/PB	TP501 (Lch), GND TP502 (Rch), GND	VR201 VR202	775mV Perform adjustment using CrO ₂ . Perform checking only for LN and METAL tapes.
REC- PAUSE	PEAK LEVEL METER	VR401 VR402	Confirm peak level meter reads: -1 dB.
REC- PAUSE MPX filter ON	TP501 (Lch), GND TP502 (Rch), GND or OUTPUT jack	LC501 LC502	Adjust for -0.3 dB at 15kHz and >30 dB at 19kHz.
REC/PB	OUTPUT jack	-	Perform checking with Dolby B and C NR ON at each tape selector position. Confirm the record/playback frequency characteristic is within ± 3 dB at 20Hz to 20 kHz.





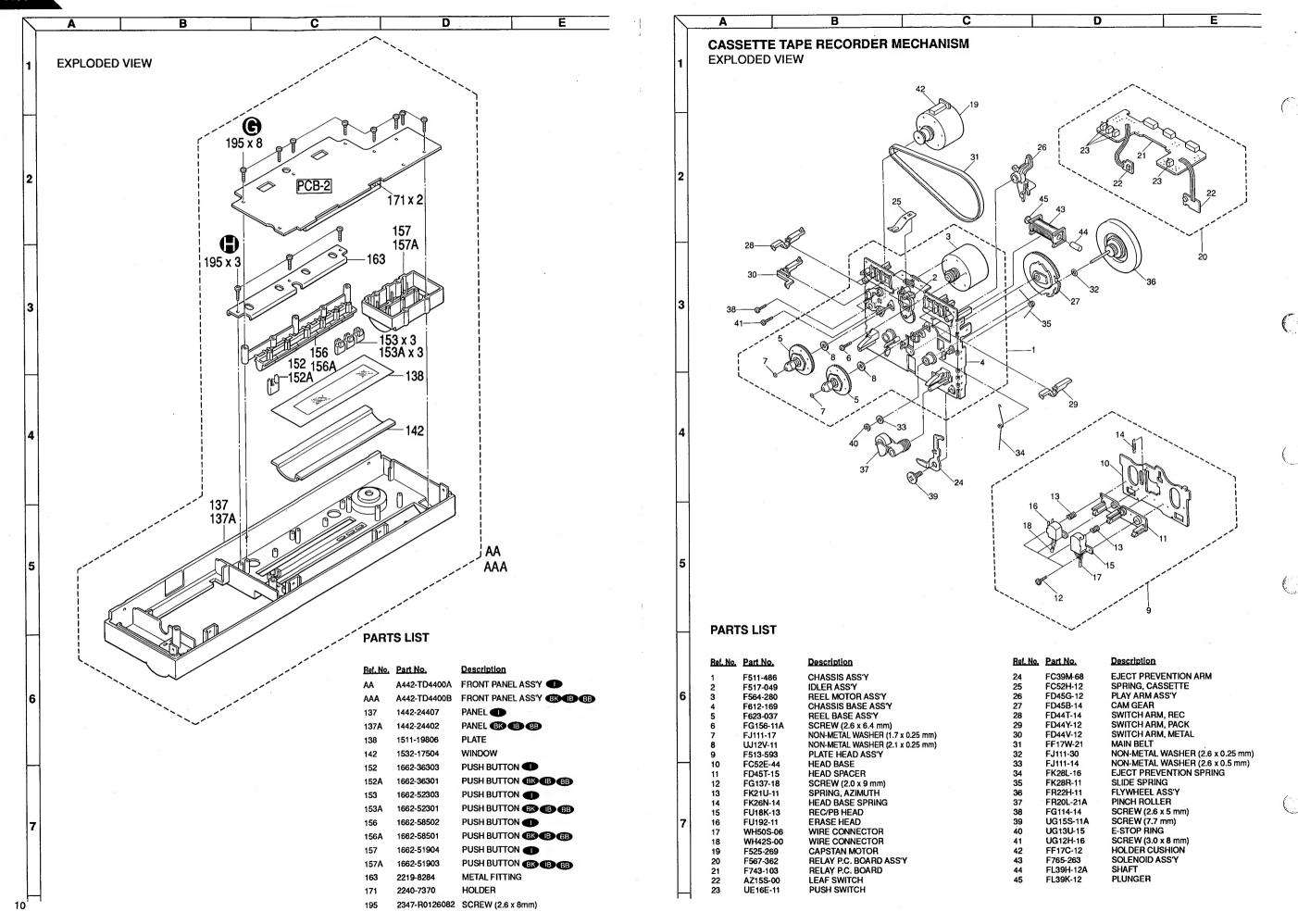


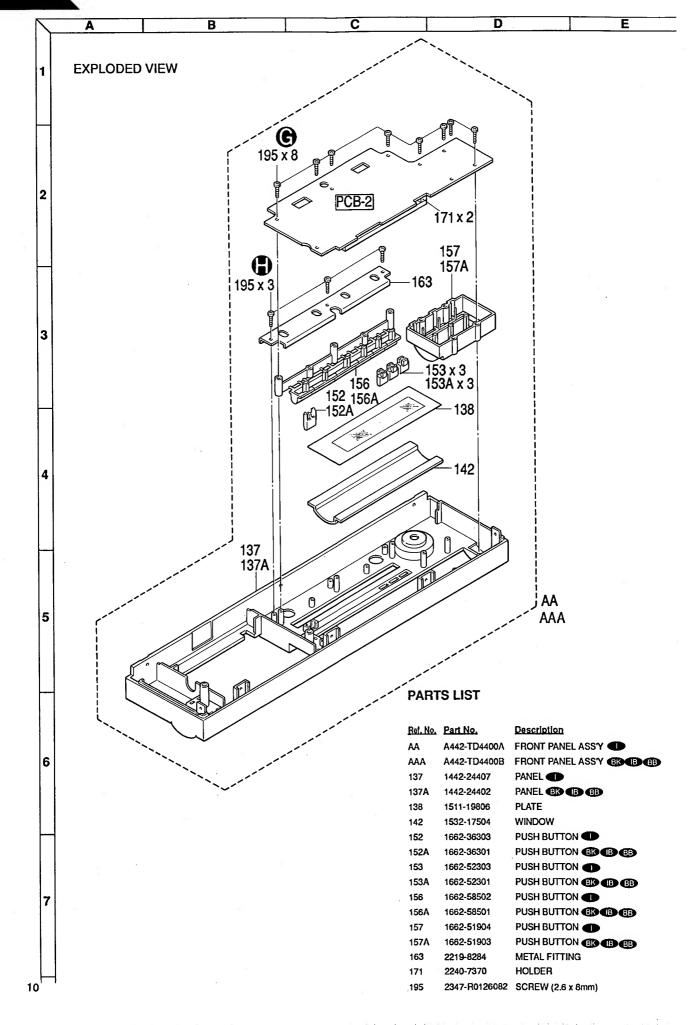
Hel. No.	Fait NO.	Description
170	2240-364	HOLDER
172	2240-R0101	HOLDER
175	2360-7022	BOSS
177	2601-7192	SHAFT
179	2651-047	SPRING
180	2651-11212	SPRING, LEVER
181	2651-2101732	SPRING
183	2652-105	LEAF SPRING
185	2411-30Z1	WASHER, PLAIN
187	2672-7043	LEVER
189	2692-016	DAMPER
191	2320-044	SCREW
194	2327-R0130082	SCREW (3 x 8mm)
196	2347-260527	SCREW (2.6 x 5mm)
197	2347-R0130062	SCREW (3 x 6mm)

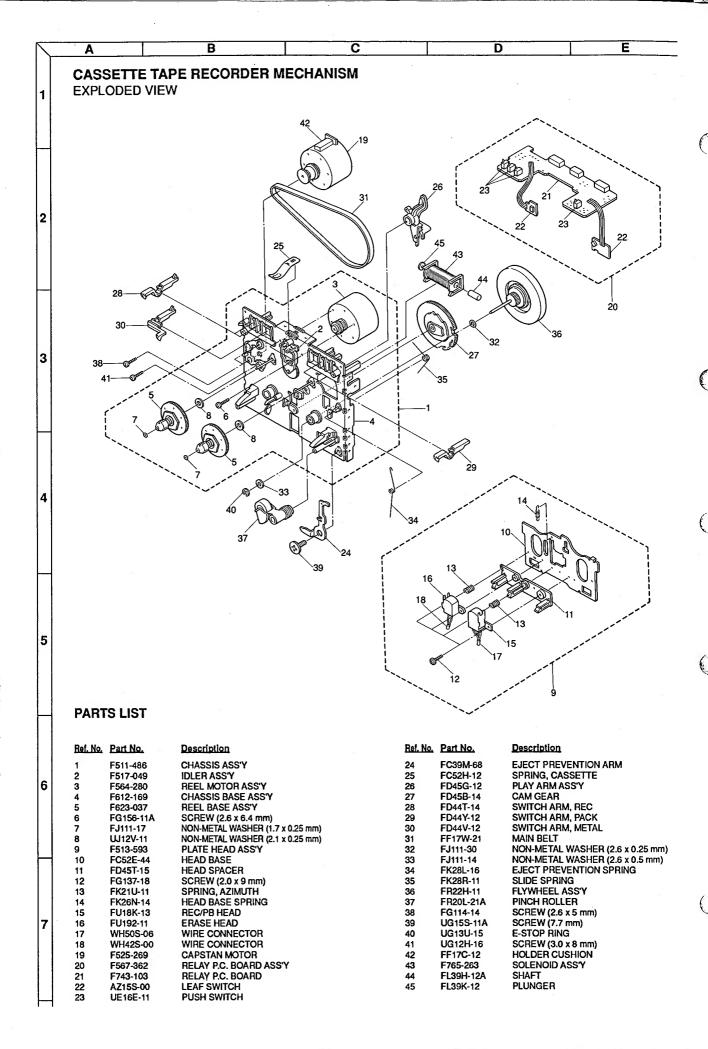
	Ref. No.	Part No.	<u>Description</u>
	203	2347-R0130082	SCREW (3 x 8mm)
	204	2347-R0130084	SCREW (3 x 8mm)
	207	2347-R0140062	SCREW (4 x 6mm)
	208	2347-R0140064	SCREW (4 x 6mm)
	213	2459-3005511	RIVET, PLASTIC
	214	2240-7049	HOLDER
Â	∆ P 1	4161-71151	CORD W/PLUG (BK)
Δî	∆ P 1	4161-7256	CORD W/PLUG B
Æ	∆ P1	4161-04100	CORD W/PLUG (BB)
<u>^</u>	1 T 2	5584-S8201	XFORMER, POWER (BK)
Δ	₁ T1	5584-S8202	XFORMER, POWER BB

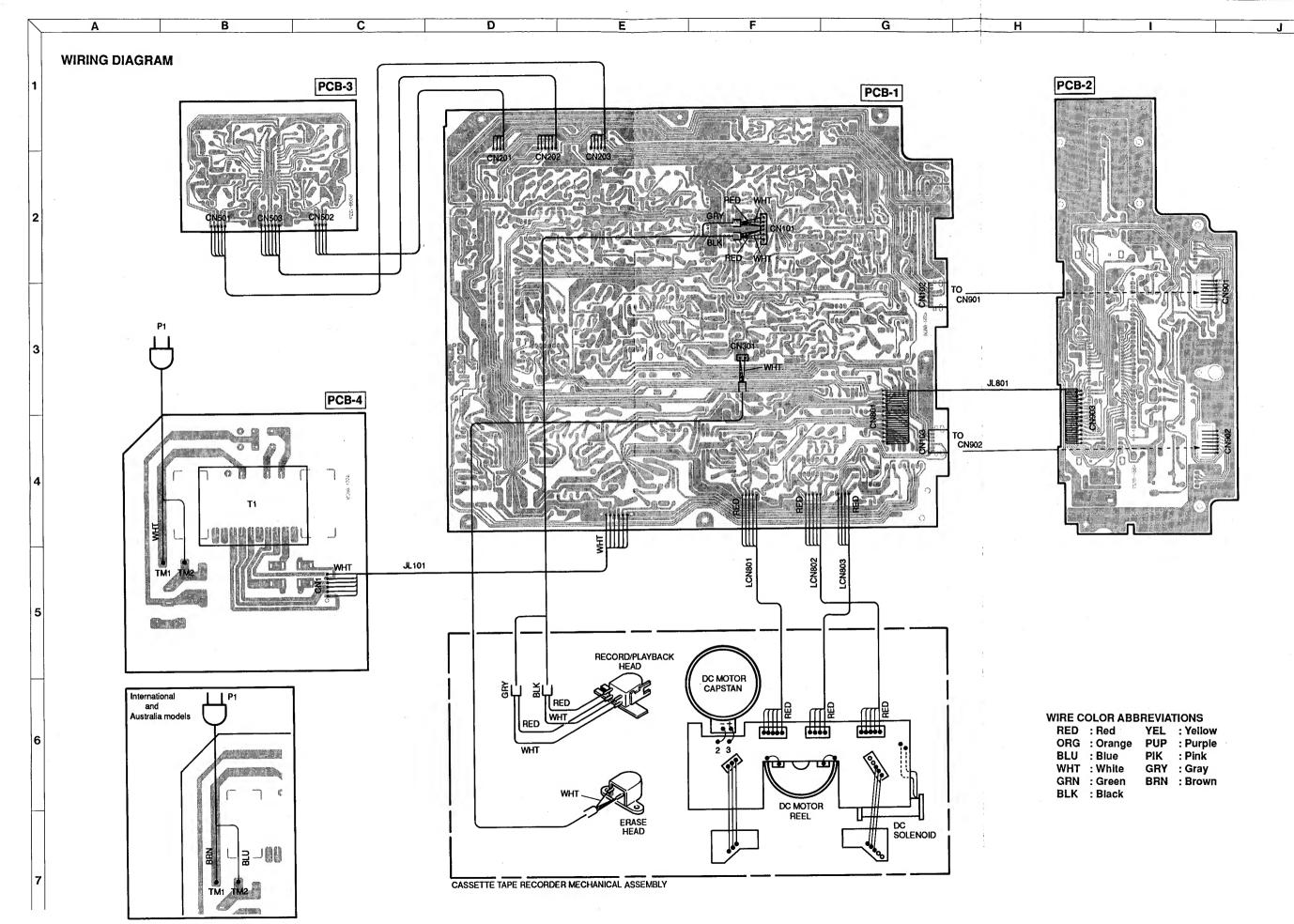
NOTE

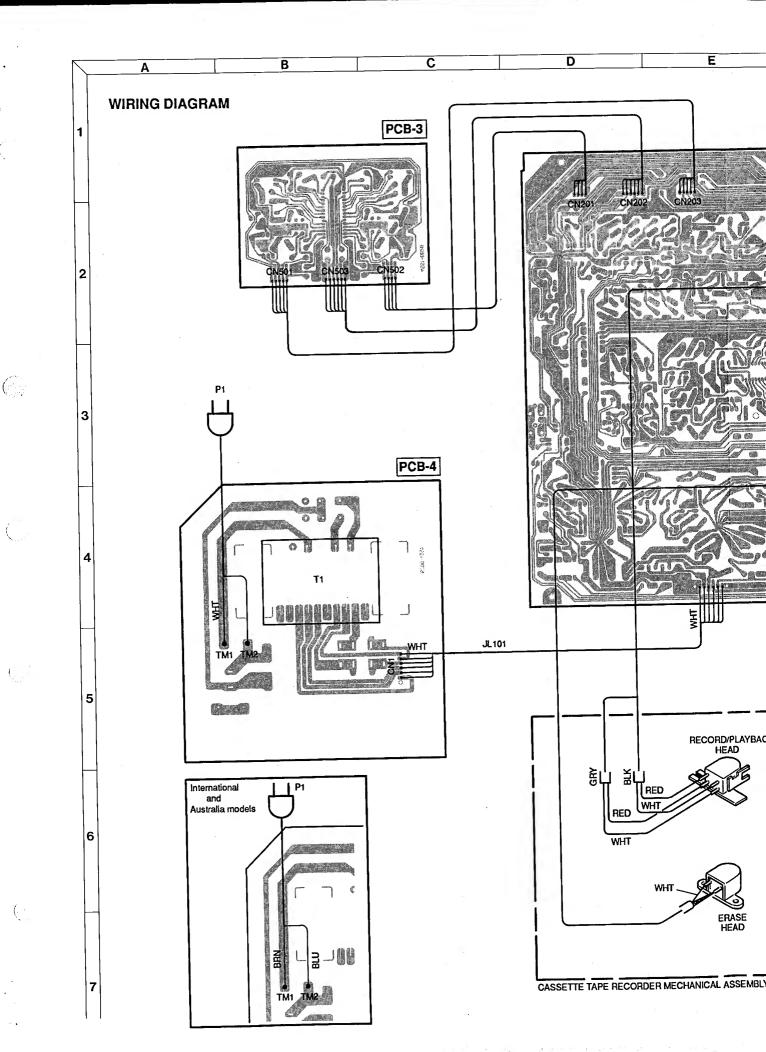
SAFETY RELATED COMPONENT. USE ONLY EXACT REPLACEMENT PART AS SPECIFIED.

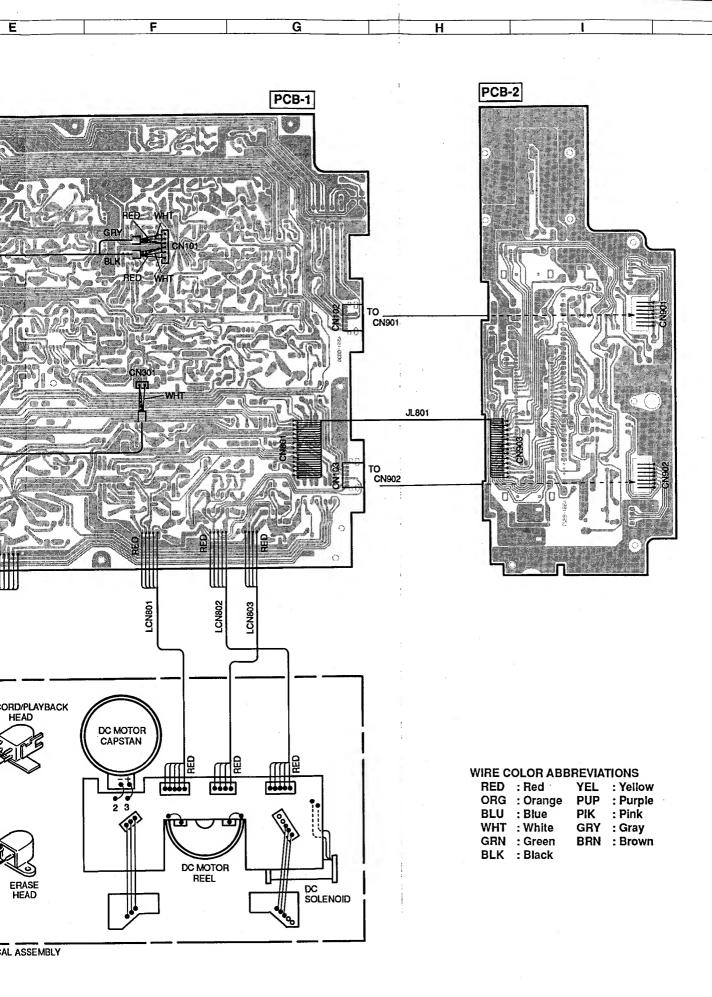


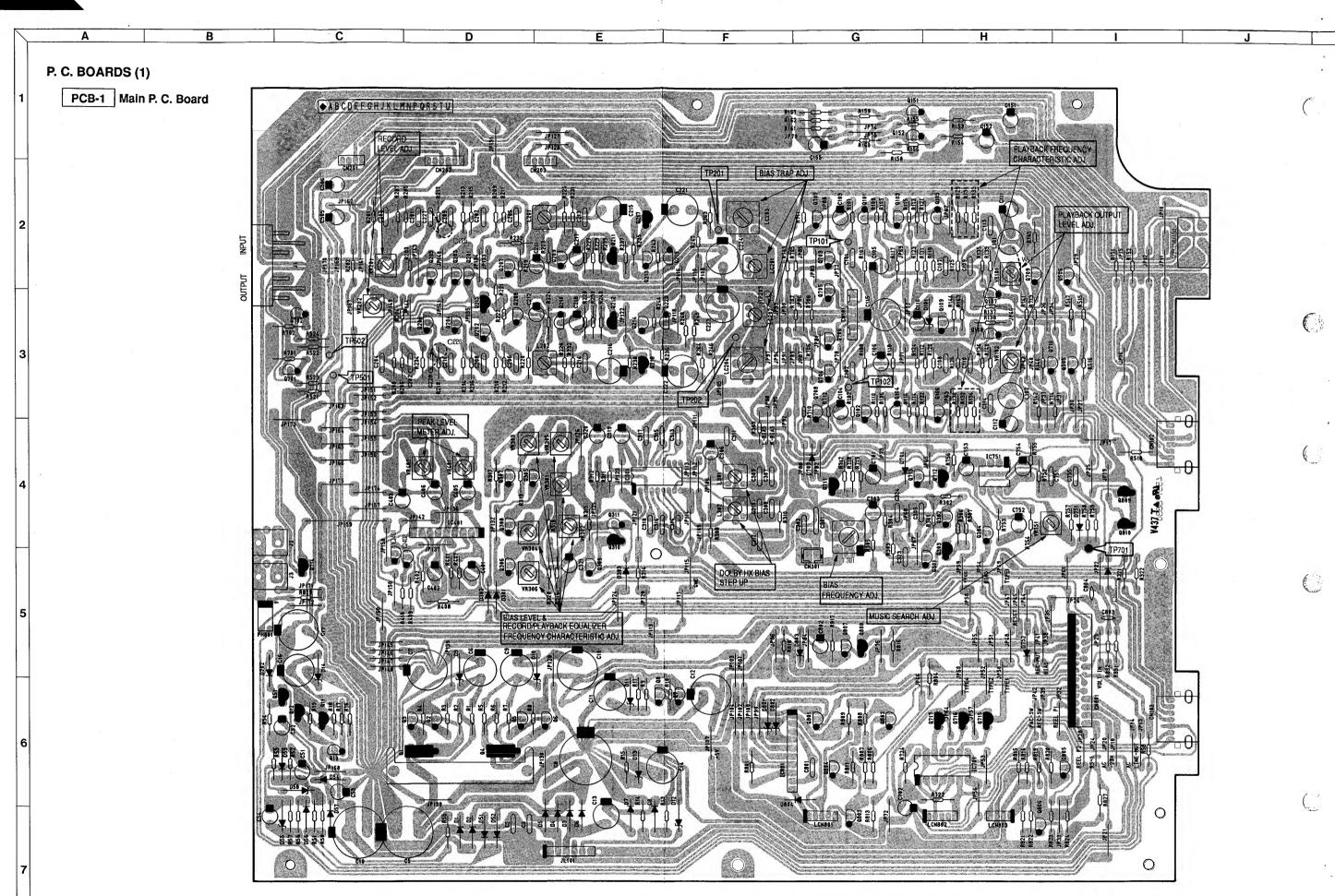




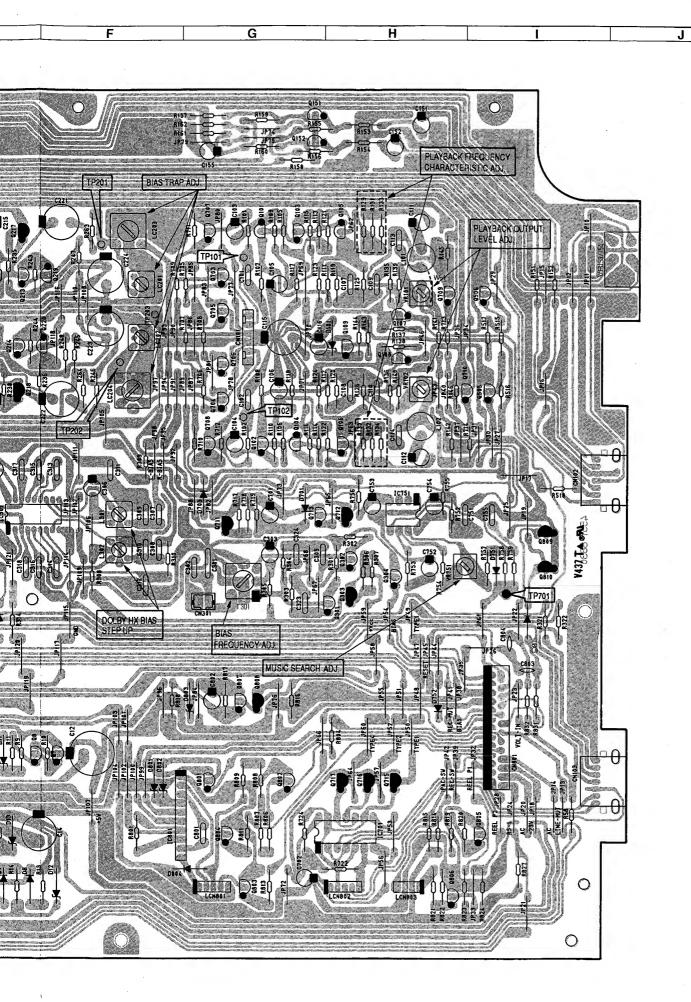


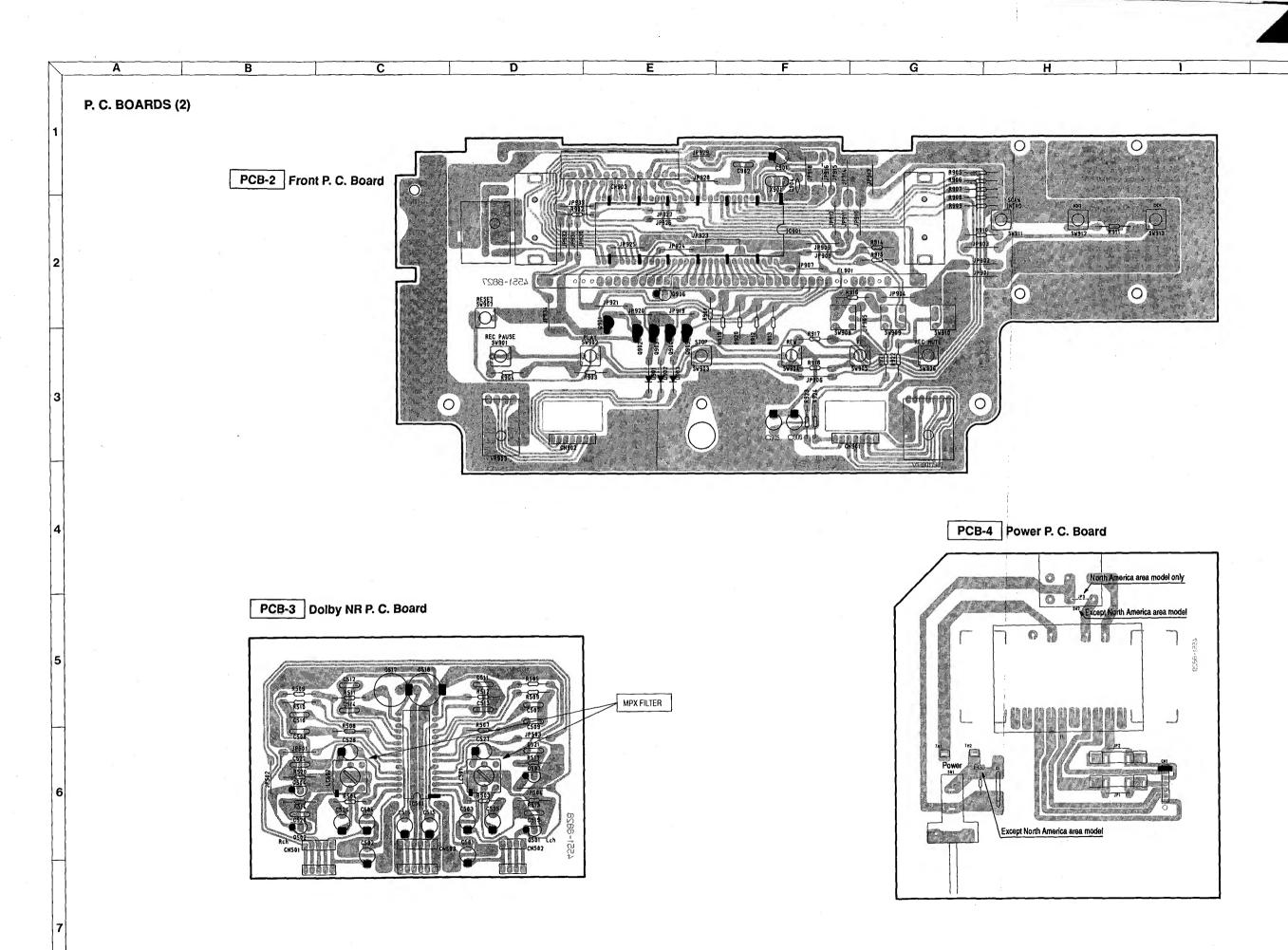


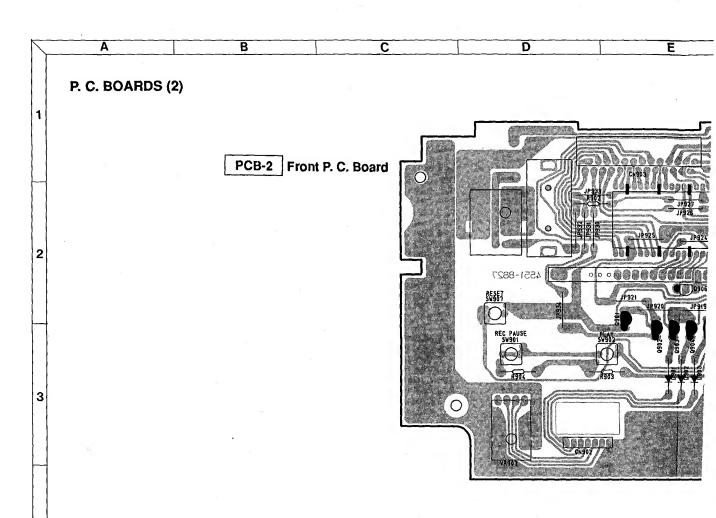




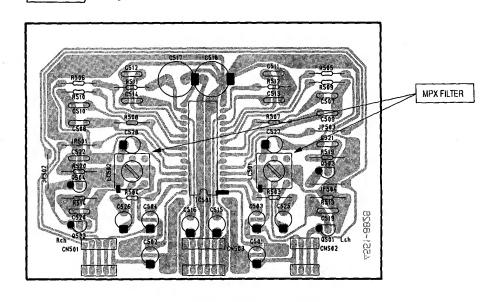
В C D E P. C. BOARDS (1) PCB-1 Main P. C. Board • AB COEF GHUKE MNP OR STU 2 INPUT OUTPUT



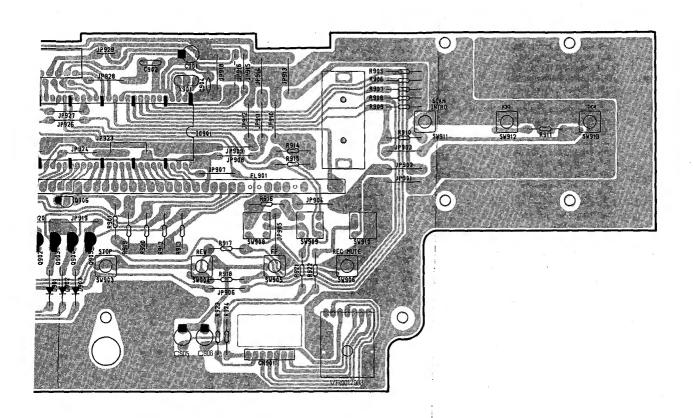




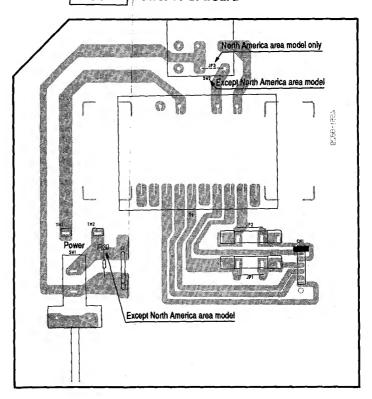
PCB-3 Dolby NR P. C. Board



E F G H I J



PCB-4 Power P. C. Board



PX FILTER

ELECTRICAL PARTS LIST

Ser. No. Re	v No	Dart No.	Description	Ser. No	. Ref. No.	Part No.	Description			Ser. No. Ref. No.	. Part No.	Description	Ser.	No. Ref. No.	Part No.	Descri
Promotomoroacour	T. STOLEN STREET, CO. C.	And the second learning to the second	THE RESIDENCE OF THE PROPERTY	542	C320	5345-106F041	CAP, MINI ELE 10µ/50V			447 R140	5135-103522	RES, CBN 1/2P 10K	719	R401	5135-334522	RES, C
		PCB-1 MAIN	P.C. BOARD	542 542	C321	5345-106F041	CAP, MINI ELE 10µ/50V			447 R140	5135-104522	RES, CBN 1/2P 100K	719		5135-334522	RES, C
				554	C323	5359-S010J562	CAP, PPP 5600p		_	449 R142		RES, CBN 1/2P 100K	720	R407	5135-103522	RES, C
		CAPACITORS	CAR LITTLE	554	C324	5359-S010J562	CAP, PPP 5600p			431 R143	5135-4R7522	RES, CBN 1/2P 4.7	720		5135-103522	RES, C
616 C		5352-S060K104	CAP, MTL .1μ CAP, MTL .1μ	712	C401	5345-475F041	CAP, MINI ELE 4.7µ/50V			442 R144	5135-102522	RES, CBN 1/2P 1K	721	R409	5135-223522	RES, C
616 C		5352-S060K104 5345-228D041	CAP, MINI ELE 2200W25V	712	C402	5345-475F041	CAP, MINI ELE 4.7µ/50V CAP, MINI ELE 47µ/25V			750 R151	5135-102522	RES, CBN 1/2P 1K RES, CBN 1/2P 1K	721 662		5135-223522 5135-103522	RES, C
604 C		5345-477C041	CAP, MINI ELE 470µ/16V	713 712	C403 C405	5345-476D041 5345-475F041	CAP, MINI ELE 4.7µ/25V			750 R152 750 R153	5135-102522 5135-102522	RES, CBN 1/2P 1K	669		5135-123522	RES, C
605 C		5345-108C041	CAP, MINI ELE 1000µ/16V	712	C406	5345-475F041	CAP, MINI ELE 4.7µ/50V			750 R154	5135-102522	RES, CBN 1/2P 1K	667		5135-223522	RES, C
607 C		5345-478D0962	CAP, MINI ELE 4700µ/25V	650	C505	5345-106C0951	CAP, MINI ELE 10µ/16V			751 R155	5135-104522	RES, CBN 1/2P 100K	662		5135-103522	RES, C
604 C		5345-477C041	CAP, MINI ELE 470µ/16V	650	C506	5345-106C0951	CAP, MINI ELE 10µ/16V			751 R156	5135-104522	RES, CBN 1/2P 100K	663		5135-104522	RES, C
		5345-108C041	CAP, MINI ELE 1000µ/16V	683	C701	5345-106F041	CAP, MINI ELE 10µ/50V			750 - R157	5135-102522	RES, CBN 1/2P 1K	663		5135-104522	RES, C
604 C		5345-477C041	CAP, MINI ELE 470µ/16V	683	C702	5345-106F041	CAP, MINI ELE 10µ/50V			750 R158	5135-102522	RES, CBN 1/2P 1K	658		5135-222522	RES, C
		5345-108B041 5345-226E041	CAP, MINI ELE 1000µ10V CAP, MINI ELE 22µ35V	893	C751	5354-473J1HM	CAP, MYL .047µ			750 R159	5135-102522	RES, CBN 1/2P 1K	658 691		5135-222522 5135-222522	RES, C
		5345-227E041	CAP, MINI ELE 220µ/35V	891	C752 C753	5345-476D041 5345-476D041	CAP, MINI ELE 47µ/25V CAP, MINI ELE 47µ/25V			750 R160	5135-102522 5135-472522	RES, CBN 1/2P 1K RES, CBN 1/2P 4.7K	691	_	5135-222522	RES, C
		5345-477E041	CAP, MINI ELE 470µ/35V	891 891	C754	5345-476D041	CAP, MINI ELE 47µ/25V			752 R161 749 R162	5135-472522	RES, CBN 1/2P 5.6K	688		5135-103522	RES, C
		5345-477C041	CAP, MINI ELE 470µ/16V	894	C755	5359-S010J822	CAP, PPP 8200p			496 R201	5135-152522	RES, CBN 1/2P 1.5K	686		5135-103522	RES, C
		5345-108C041	CAP, MINI ELE 1000µ/16V	866	C801	5359-S010J103	CAP, PPP .01µ			496 R202		RES, CBN 1/2P 1.5K	689		5135-392522	RES, C
		5345-226F041	CAP, MINI ELE 22µ/50V	864	C802	5345-107B041	CAP, MINI ELE 100µ/10V			497 R203	5135-222522	RES, CBN 1/2P 2.2K	689		5135-392522	RES, C
	_	5345-226F041	CAP, MINI ELE 22µ/50V CAP, MINI ELE 100µ/16V	867	C803	5361-102KB	CAP, CER 1000p			497 R204	5135-222522	RES, CBN 1/2P 2.2K	688		5135-103522 5135-103522	RES, C
		5345-107C041 5345-106F041	CAP, MINI ELE 100µ16V	867	C804	5361-102KB	CAP, CER 1000p			498 R205	5135-104522 5135-104522	RES, CBN 1/2P 100K RES, CBN 1/2P 100K	688 690		5135-103522	RES, C
		5359-S010J471	CAP, PPP 470p			RESISTORS				498 R206 499 R207	5135-104522	RES, CBN 1/2P 22K	690		5135-223522	RES, C
		5359-S010J471	CAP, PPP 470p	619	R1	5135-152522	RES, CBN 1/2P 1.5K		i	499 R208	5135-223522	RES, CBN 1/2P 22K	687		5135-103522	RES, C
416 C	103	5345-226C0951	CAP, MINI ELE 22µ/16V	620	R2	5135-471522	RES, CBN 1/2P 470			500 R209	5135-183522	RES, CBN 1/2P 18K	687	R714	5135-103522	RES, C
		5345-226C0951	CAP, MINI ELE 22µ/16V	621	R3	5135-101522	RES, CBN 1/2P 100			500 R210	5135-183522	RES, CBN 1/2P 18K	691		5135-222522	RES, C
		5345-227B041	CAP, MINI ELE 220µ/10V	622	R4	5135-3R9522	RES, CBN 1/2P 3.9		1	501 R211	5135-103522	RES, CBN 1/2P 10K	687		5135-103522	RES, C
		5345-227B041	CAP, MINI ELE 220µ/10V	619	R5	5135-152522	RES, CBN 1/2P 1.5K			501 R212		RES, CBN 1/2P 10K	687		5135-103522	RES, C
		5359-S010J682 5359-S010J682	CAP, PPP 6800p CAP, PPP 6800p	620	R6	5135-471522	RES, CBN 1/2P 470			518 R213	5135-823522	RES, CBN 1/2P 82K	694 694		5135-473522 5135-473522	RES, C
	108	5359-S010J682	CAP, PPP 6800p	621	R7 R8	5135-101522 5135-1R2522	RES, CBN 1/2P 100 RES, CBN 1/2P 1.2			518 R214	5135-823522	RES, CBN 1/2P 82K RES, CBN 1/2P 56K	89		5135-473522	RES, C
		5359-S010J682	CAP, PPP 6800p	623 619	R9	5135-152522 5135-152522	RES, CBN 1/2P 1.5K			519 R215 519 R216		RES, CBN 1/2P 56K	899		5135-331522	RES, C
		5345-106C0951	CAP, MINI ELE 10µ/16V	620	R10	5135-471522	RES, CBN 1/2P 470		4	508 R217	5135-154522	RES, CBN 1/2P 150K	900	_	5135-104522	RES, C
		5345-106C0951	CAP, MINI ELE 10µ/16V	621	R11	5135-101522	RES, CBN 1/2P 100		1	508 R218		RES, CBN 1/2P 150K	904		5135-103522	RES, C
423 C	113	5359-S010J182	CAP, PPP 1800p	636	R13	5135-221522	RES, CBN 1/2P 220			505 R219		RES, CBN 1/2P 2.2K	90		5135-331522	RES, C
	114	5359-S010J182	CAP, PPP 1800p	625	R14	5135-223522	RES, CBN 1/2P 22K			505 R220	5135-222522	RES, CBN 1/2P 2.2K	902		5135-332522	RES, C
	115	5345-477C041	CAP, MINI ELE 470µ/16V	625	R15	5135-223522	RES, CBN 1/2P 22K			506 R221	5135-472522	RES, CBN 1/2P 4.7K	89		5135-104522	RES, C
	116	5345-336C041	CAP, MINI ELE 33W16V CAP, MINI ELE 10W16V	619	R16	5135-152522	RES, CBN 1/2P 1.5K			506 R222		RES, CBN 1/2P 4.7K	900	R759 AR801	5135-471522 5102-1004715	RES, F
	151 152	5345-106C0951 5345-106C0951	CAP, MINI ELE 10µ16V	620	R17	5135-471522	RES, CBN 1/2P 470 RES, CBN 1/2P 100			507 R223		RES, CBN 1/2P 100K RES, CBN 1/2P 100K	87		5135-103522	RES,
	155	5345-10000331 5345-107B041	CAP, MINI ELE 100µ/10V	621	R18 R19	5135-101522 5135-100522	RES, CBN 1/2P 10			507 R224 515 R225	5135-104522 5135-151522	RES, CBN 1/2P 150	87:		5135-5R6522	RES, C
	201	5359-S010J152	CAP, PPP 1500p	624 626	R50	5135-331522	RES, CBN 1/2P 330			515 R226		RES, CBN 1/2P 150	87:		5135-5R6522	RES, C
	202	5359-S010J152	CAP, PPP 1500p	626	R51	5135-331522	RES, CBN 1/2P 330			510 R227		RES, CBN 1/2P 1.2K	87		5135-5R6522	RES, C
484 C	203	5359-S010J122	CAP, PPP 1200p	691	R52	5135-222522	RES, CBN 1/2P 2.2K			510 R228		RES, CBN 1/2P 1.2K	87	R809	5135-5R6522	RES, 0
	204	5359-S010J122	CAP, PPP 1200p	696	R53	5135-105522	RES, CBN 1/2P 1M			511 R229	5135-221522	RES, CBN 1/2P 220	87		5135-103522	RES,
	205	5359-S010J822	CAP, PPP 8200p	693	R54	5135-104522	RES, CBN 1/2P 100K			511 R230		RES, CBN 1/2P 220	87:		5135-103522	RES, C
	206	5359-S010J822	CAP, PPP 8200p	698	R55	5135-182522	RES, CBN 1/2P 1.8K			509 R231	5135-821522	RES, CBN 1/2P 820	87			RES, (
	207 208	5359-S010J821 5359-S010J821	CAP, PPP 820p CAP, PPP 820p	699	R56	5135-102522	RES, CBN 1/2P 1K RES, CBN 1/2P 1K			509 R232		RES, CBN 1/2P 820	87 87		5135-473522 5135-103522	RES,
	209	5359-S010J471	CAP, PPP 470p	699 687	R57 R58	5135-102522 5135-103522	RES, CBN 1/2P 10K			499 R233 499 R234		RES, CBN 1/2P 22K RES, CBN 1/2P 22K	87		5135-471522	RES,
	210	5359-S010J471	CAP, PPP 470p	437	R101	5135-101522	RES, CBN 1/2P 100			510 R235		RES, CBN 1/2P 1.2K	87	_	5135-102522	RES,
	211	5345-105F0951	CAP, MINI ELÉ 1µ/50V	437	R102	5135-101522	RES, CBN 1/2P 100			510 R236		RES, CBN 1/2P 1.2K	87		5135-222522	RES,
476 C	212	5345-105F0951	CAP, MINI ELE 1µ/50V	448		5174-S010F223	RES, MTL 1/4 22K			512 R237		RES, CBN 1/2P 100K	87		5135-223522	RES,
	213	5359-S010J123	CAP, PPP .012µ	448	R106	5174-S010F223	RES, MTL 1/4 22K			512 R238		RES, CBN 1/2P 100K	87		5135-222522	RES,
	214	5359-S010J123	CAP, PPP .012µ	441	R107	5174-S010F181	RES, MTL 1/4 180			515 R239		RES, CBN 1/2P 150	87		5135-223522	RES,
	215	5345-476C0951	CAP, MINI ELE 47µ/16V	441	R108	5174-S010F181	RES, MTL 1/4 180			515 R240		RES, CBN 1/2P 150	87		5135-473522	RES, (
	216 217	5345-476C0951 5345-106C0951	CAP, MINI ELE 47µ/16V CAP, MINI ELE 10µ/16V	450	R109	5135-224522	RES, CBN 1/2P 220K RES, CBN 1/2P 220K			514 R243		RES, CBN 1/2P 91	. 87 88		5135-473522 5135-472522	RES,
	218	5345-106C0951	CAP, MINI ELE 10µ/16V	450 446	R110 R111	5135-224522 5135-332522	RES, CBN 1/2P 3.3K			514 R244 513 R245		RES, CBN 1/2P 91 RES, CBN 1/2P 100	87		5135-561522	RES.
	221	5345-227A0951	CAP, MINI ELE 220µ/6.3V	446	R112	5135-332522	RES, CBN 1/2P 3.3K			513 R246		RES, CBN 1/2P 100	87		5135-102522	RES,
	222	5345-227A0951	CAP, MINI ELE 220µ/6.3V	444	R113	5135-562522	RES, CBN 1/2P 5.6K			517 R247		RES, CBN 1/2P 47K	87		5135-102522	RES,
481 C	223	5345-227C041	CAP, MINI ELE 220µ/16V	444	R114	5135-562522	RES, CBN 1/2P 5.6K		•	517 R248		RES, CBN 1/2P 47K				
	224	5345-227C041	CAP, MINI ELE 220µ/16V	435	R115	5135-470522	RES, CBN 1/2P 47			516 R263		RES, CBN 1/2P 330			INTEGRATED CIR	
	225	5359-S010J122	CAP, PPP 1200p	435	R116	5135-470522	RES, CBN 1/2P 47			516 R264		RES, CBN 1/2P 330	52			IC, LI
	2226	5359-S010J122	CAP, PPP 1200p	439		5135-681522	RES, CBN 1/2P 680			562 R301		RES, CBN 1/2P 22	70		5653-BA6138	IC, LII IC, DI
	2227 2228	5359-S010J561 5359-S010J561	CAP, PPP 560p CAP, PPP 560p	439	R118	5135-681522	RES, CBN 1/2P 680			562 R302		RES, CBN 1/2P 22	67 88		5654-TC4011BP 5652-NJM4558D	IC, M
	2301	5354-S040K103	CAP, MYL .01µ	451	R119	5135-684522 5135-684522	RES, CBN 1/2P 680K RES, CBN 1/2P 680K			568 R303 568 R304		RES, CBN 1/2P 33K RES, CBN 1/2P 33K	85		5653-BA6229	IC, LI
	302	5361-100J434	CAP, CER 10p	451 438	R120 R121	5135-884522	RES, CBN 1/2P 330			568 R304 539 R305		RES, CBN 1/2P 4.7	03	, 10001	3000 EMOLEO	,0, 2
	2303	5345-106F041	CAP, MINI ELE 10µ/50V	438	R122	5135-331522	RES, CBN 1/2P 330			565 R306		RES, CBN 1/2P 10K			TRANSISTORS	
551 (305	5359-S010J103	CAP, PPP .01µ	442		5135-102522	RES, CBN 1/2P 1K			565 R307		RES, CBN 1/2P 10K	58	1 🛕 Q1	5612-1375	XISTO
543 (2306	5345-105F041	CAP, MINI ELE 1µ/50V	442		5135-102522	RES, CBN 1/2P 1K			538 R308		RES, CBN 1/2P 10	58	6 Q2	5613-2320(F)	XISTO
	2307	5361-1010423	CAP, CER 100p	452	R125	5135-822522	RES, CBN 1/2P 8.2K			567 R309		RES, CBN 1/2P 150K	58		5613-2320(F)	XISTO
	2308	5361-1010423	CAP, CER 100p	452		5135-822522	RES, CBN 1/2P 8.2K			567 R310		RES, CBN 1/2P 150K	58		5612-1375	XISTO
	0309 0310	5361-4710423 5361-4710423	CAP, CER 470p CAP, CER 470p	436		5135-472522	RES, CBN 1/2P 4.7K			568 R311		RES, CBN 1/2P 33K	58 58		5613-2320(F) 5613-2320(F)	XISTO
	2310 2311	5361-561KB	CAP, CER 470p CAP, CER 560p	436	R130	5135-472522 5135-332522	RES, CBN 1/2P 4.7K RES, CBN 1/2P 3.3K			568 R312 538 R314		RES, CBN 1/2P 33K RES, CBN 1/2P 10	58		5611-966(Y)	XISTO
	2312	5361-561KB	CAP, CER 560p	434 434	R131 R132	5135-332522 5135-332522	RES, CBN 1/2P 3.3K			538 R314 571 R315		RES, CBN 1/2P 1K	58		5613-2320(F)	XISTO
	2313	5354-104593	CAP, MYL .1µ	446	R133	5135-332522	RES, CBN 1/2P 3.3K			571 R316		RES, CBN 1/2P 1K		2 ≜ Q10	5613-2236(Y)	XISTO
548	2314	5354-104593	CAP, MYL .1µ	446	R134	5135-332522	RES, CBN 1/2P 3.3K			572 R317		RES, CBN 1/2P 560	58	3 Q11	5611-999(F)	XISTO
	C315	5359-S010J223	CAP, PPP .022µ	443	R135	5135-392522	RES, CBN 1/2P 3.9K			572 R318		RES, CBN 1/2P 560	58		5611-999(F)	XISTO
	2316	5359-S010J223	САР, РРР .022µ	443	R136	5135-392522	RES, CBN 1/2P 3.9K			573 R319	5135-221522	RES, CBN 1/2P 220	67		5611-999(F)	XISTO
	2317	5359-S010J103	CAP, PPP .01µ	453	R137	5135-105522	RES, CBN 1/2P 1M			573 R320		RES, CBN 1/2P 220	40		5613-1775(F)	XISTO
	C318	5359-S010J103	CAP, PPP .01µ	453	R138	5135-105522	RES, CBN 1/2P 1M			566 R321		RES, CBN 1/2P 8.2K	40		5613-1775(F) 5613-1775(F)	XISTO
542 (C319	5345-106F041	CAP, MINI ELE 10µ/50V	447	R139	5135-103522	RES, CBN 1/2P 10K			564 R322	5135-101522	RES, CBN 1/2P 100	40	1 Q103	2013-1773(F)	VIOL

Description RES, CBN 1/2P 330K

RES, CBN 1/2P 330K

RES, CBN 1/2P 10K RES, CBN 1/2P 10K RES, CBN 1/2P 22K RES, CBN 1/2P 22K

RES, CBN 1/2P 10K

RES, CBN 1/2P 12K

RES, CBN 1/2P 22K

RES, CBN 1/2P 10K RES, CBN 1/2P 10K RES, CBN 1/2P 100K RES, CBN 1/2P 2.2K RES, CBN 1/2P 2.2K

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RES, CBN 1/2P 2.2K

RES, CBN 1/2P 10K RES, CBN 1/2P 10K RES, CBN 1/2P 3.9K RES, CBN 1/2P 3.9K RES, CBN 1/2P 10K

RES, CBN 1/2P 10K

RES, CBN 1/2P 22K

RES, CBN 1/2P 22K RES, CBN 1/2P 10K RES, CBN 1/2P 10K RES, CBN 1/2P 2.2K RES, CBN 1/2P 10K

RES, CBN 1/2P 10K

RES, CBN 1/2P 47K

RES, CBN 1/2P 47K

RES, CBN 1/2P 100K RES, CBN 1/2P 330 RES, CBN 1/2P 100K

RES, CBN 1/2P 10K

RES, CBN 1/2P 330

RES, CBN 1/2P 3.3K

RES, CBN 1/2P 100K RES, CBN 1/2P 470 RES, FUSE 10 RES, CBN 1/2P 10K

RES, CBN 1/2P 5.6

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RES, CBN 1/2P 5.6 RES, CBN 1/2P 10K RES, CBN 1/2P 10K RES, CBN 1/2P 47K

RES, CBN 1/2P 47K

RES, CBN 1/2P 10K

RES, CBN 1/2P 470

RES, CBN 1/2P 1K RES, CBN 1/2P 2.2K RES, CBN 1/2P 22K RES, CBN 1/2P 2.2K RES, CBN 1/2P 2.2K

RES, CBN 1/2P 47K

RES, CBN 1/2P 47K

RES, CBN 1/2P 4.7K

RES, CBN 1/2P 560

RES, CBN 1/2P 1K RES, CBN 1/2P 1K

IC, LINEAR

IC, LINEAR

IC, DIGITAL

IC, MONO

IC, LINEAR

XISTOR, PNP A XISTOR, NPN R

XISTOR, NPN R

XISTOR, PNP A

XISTOR, NPN R XISTOR, NPN R XISTOR, PNP R

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XISTOR, PNP R XISTOR, PNP R XISTOR, PNP R

XISTOR, NPN R

XISTOR, NPN R

XISTOR, NPN R

ELECTRICAL PARTS LIST

Ser. N	io, Ref. No.	Part No.	Description	Ser.	No. Ref. No	Part No.	Description
		PCB-1 MA	IN P. C. BOARD	542 542		5345-106F041	CAP, MINI ELE 10µ/50V
		t er ekkelentelen ekkelen.		554 554		5345-106F041 5359-S010J562	CAP, MINI ELE 10µ/50V CAP, PPP 5600p
040	00	CAPACITORS	OAR AST	554		5359-S010J562	CAP, PPP 5600p
616 616	C2 C3	5352-S060K104 5352-S060K104	CAP, MTL .1µ	712		5345-475F041	CAP, MINI ELE 4.7µ/50V
603	C5	5345-228D041	CAP, MTL .1μ CAP, MINI ELE 2200μ/25V	712		5345-475F041	CAP, MINI ELE 4.7µ/50V
604	C6	5345-477C041	CAP, MINI ELE 470µ/16V	713 712		5345-476D041 5345-475F041	CAP, MINI ELE 47µ/25V
605	C7	5345-108C041	CAP, MINI ELE 1000µ/16V	712	C406	5345-475F041	CAP, MINI ELE 4.7µ/50V CAP, MINI ELE 4.7µ/50V
607 604	C8 C9	5345-478D0962	CAP, MINI ELE 4700µ/25V	650		5345-106C0951	CAP, MINI ELE 10µ/16V
605	C10	5345-477C041 5345-108C041	CAP, MINI ELE 470µ/16V CAP, MINI ELE 1000µ/16V	650	C506	5345-106C0951	CAP, MINI ELE 10µ/16V
604	C11	5345-477C041	CAP, MINI ELE 470µ/16V	683 683	C701 C702	5345-106F041	CAP, MINI ELE 10µ/50V
606	C12	5345-108B041	CAP, MINI ELE 1000µ/10V	893	C702	5345-106F041 5354-473J1HM	CAP, MINI ELE 10µ/50V CAP, MYL .047µ
610	C13	5345-226E041	CAP, MINI ELE 22µ/35V	891	C752	5345-476D041	CAP, MINI ELE 47µ/25V
608 609	C14 C15	5345-227E041 5345-477E041	CAP, MINI ELE 220µ/35V CAP, MINI ELE 470µ/35V	891	C753	5345-476D041	CAP, MINI ELE 47µ/25V
604	C16	5345-477C041	CAP, MINI ELE 470µ35V	891	C754	5345-476D041	CAP, MINI ELE 47µ/25V
605	C17	5345-108C041	CAP, MINI ELE 1000µ/16V	894 866	C755 C801	5359-S010J822 5359-S010J103	CAP, PPP 8200p
684	C51	5345-226F041	CAP, MINI ELE 22µ/50V	864	C802	5345-107B041	CAP, PPP .01μ CAP, MINI ELE 100μ/10\
684 685	C52 C53	5345-226F041	CAP, MINI ELE 22µ/50V	867	C803	5361-102KB	CAP, CER 1000p
686	C53	5345-107C041 5345-106F041	CAP, MINI ELE 100µ/16V CAP, MINI ELE 10µ/50V	867	C804	5361-102KB	CAP, CER 1000p
427	C101	5359-S010J471	CAP, PPP 470p			DECICEODO	
427	C102	5359-S010J471	CAP, PPP 470p	619	R1	RESISTORS 5135-152522	DES CONTION FO
416	C103	5345-226C0951	CAP, MINI ELE 22µ/16V	620	R2	5135-471522	RES, CBN 1/2P 1.5K RES, CBN 1/2P 470
416 419	C104 C105	5345-226C0951	CAP, MINI ELE 22µ/16V	621	R3	5135-101522	RES, CBN 1/2P 100
419	C105	5345-227B041 5345-227B041	CAP, MINI ELE 220µ/10V CAP, MINI ELE 220µ/10V	622	R4	5135-3R9522	RES, CBN 1/2P 3.9
424	C107	5359-S010J682	CAP, PPP 6800p	619	R5	5135-152522	RES, CBN 1/2P 1.5K
424	C108	5359-S010J682	CAP, PPP 6800p	620 621	R6 R7	5135-471522 5135-101522	RES, CBN 1/2P 470
424	C109	5359-S010J682	CAP, PPP 6800p	623	R8	5135-101522 5135-1R2522	RES, CBN 1/2P 100 RES, CBN 1/2P 1.2
424 415	C110 C111	5359-S010J682	CAP, PPP 6800p	619	R9	5135-152522	RES, CBN 1/2P 1.5K
415	C112	5345-106C0951 5345-106C0951	CAP, MINI ELE 10µ/16V CAP, MINI ELE 10µ/16V	620	R10	5135-471522	RES, CBN 1/2P 470
423	C113	5359-S010J182	CAP, PPP 1800p	621	R11	5135-101522	RES, CBN 1/2P 100
423	C114	5359-S010J182	CAP, PPP 1800p	636 625	R13 R14	5135-221522 5135-223522	RES, CBN 1/2P 220
420	C115	5345-477C041	CAP, MINI ELE 470µ/16V	625	R15	5135-223522	RES, CBN 1/2P 22K RES, CBN 1/2P 22K
417 753	C116 C151	5345-336C041	CAP, MINI ELE 33µ/16V	619	R16	5135-152522	RES, CBN 1/2P 1.5K
753	C152	5345-106C0951 5345-106C0951	CAP, MINI ELE 10µ/16V CAP, MINI ELE 10µ/16V	620	R17	5135-471522	RES, CBN 1/2P 470
754	C155	5345-107B041	CAP, MINI ELE 100µ/10V	621	R18	5135-101522	RES, CBN 1/2P 100
485	C201	5359-S010J152	CAP, PPP 1500p	624 626	R19 R50	5135-100522 5135-331522	RES, CBN 1/2P 10 RES, CBN 1/2P 330
485	C202	5359-S010J152	CAP, PPP 1500p	626	R51	5135-331522	RES, CBN 1/2P 330
484 484	C203 C204	5359-S010J122 5359-S010J122	CAP, PPP 1200p	691	R52	5135-222522	RES, CBN 1/2P 2.2K
486	C205	5359-S010J822	CAP, PPP 1200p CAP, PPP 8200p	696	R53	5135-105522	RES, CBN 1/2P 1M
486	C206	5359-S010J822	CAP, PPP 8200p	693 698	R54 R55	5135-104522	RES, CBN 1/2P 100K
487	C207	5359-S010J821	CAP, PPP 820p	699	R56	5135-182522 5135-102522	RES, CBN 1/2P 1.8K RES, CBN 1/2P 1K
487 488	C208	5359-S010J821	CAP, PPP 820p	699	R57	5135-102522	RES, CBN 1/2P 1K
488	C209 C210	5359-S010J471 5359-S010J471	CAP, PPP 470p CAP, PPP 470p	687	R58	5135-103522	RES, CBN 1/2P 10K
476	C211	5345-105F0951	CAP, MINI ELE 1µ/50V	437	R101	5135-101522	RES, CBN 1/2P 100
476	C212	5345-105F0951	CAP, MINI ELE 1µ/50V	437 448	R102 R105	5135-101522 5174-S010F223	RES, CBN 1/2P 100
491	C213	5359-S010J123	CAP, PPP .012µ	448	R106	5174-S010F223	RES, MTL 1/4 22K RES, MTL 1/4 22K
491 477	C214	5359-S010J123	CAP, PPP .012µ	441	R107	5174-S010F181	RES, MTL 1/4 180
477	C215 C216	5345-476C0951 5345-476C0951	CAP, MINI ELE 47µ/16V CAP, MINI ELE 47µ/16V	441	R108	5174-S010F181	RES, MTL 1/4 180
478	C217	5345-106C0951	CAP, MINI ELE 10µ/16V	450	R109	5135-224522	RES, CBN 1/2P 220K
478	C218	5345-106C0951	CAP, MINI ELE 10µ/16V	450 446	R110 R111	5135-224522 5135-332522	RES, CBN 1/2P 220K RES, CBN 1/2P 3.3K
480	C221	5345-227A0951	CAP, MINI ELE 220µ/6.3V	446	R112	5135-332522	RES, CBN 1/2P 3.3K
480 481	C222 C223	5345-227A0951	CAP, MINI ELE 220µ/6.3V	444	R113	5135-562522	RES, CBN 1/2P 5.6K
481	C224	5345-227C041 5345-227C041	CAP, MINI ELE 220µ/16V CAP, MINI ELE 220µ/16V	444	R114	5135-562522	RES, CBN 1/2P 5.6K
492	C225	5359-S010J122	CAP, PPP 1200p	435	R115	5135-470522	RES, CBN 1/2P 47
492	C226	5359-S010J122	CAP, PPP 1200p	435 439	R116 R117	5135-470522 5135-681522	RES, CBN 1/2P 47 RES, CBN 1/2P 680
493	C227	5359-S010J561	CAP, PPP 560p	439	R118	5135-681522	RES, CBN 1/2P 680
493 547	C228 C301	5359-S010J561 5354-S040K103	CAP, PPP 560p	451	R119	5135-684522	RES, CBN 1/2P 680K
556	C302	5361-100J434	CAP, MYL .01µ CAP, CER 10p	451	R120	5135-684522	RES, CBN 1/2P 680K
542	C303	5345-106F041	CAP, MINI ELE 10µ/50V	438	R121	5135-331522	RES, CBN 1/2P 330
551	C305	5359-S010J103	CAP, PPP .01µ	438 442	R122 R123	5135-331522 5135-102522	RES, CBN 1/2P 330 RES, CBN 1/2P 1K
543	C306	5345-105F041	CAP, MINI ELE 1µ/50V	442	R124	5135-102522	RES, CBN 1/2P 1K
557 557	C307 C308	5361-1010423	CAP, CER 100p	452	R125	5135-822522	RES, CBN 1/2P 8.2K
558	C309	5361-1010423 5361-4710423	CAP, CER 100p CAP, CER 470p	452	R126	5135-822522	RES, CBN 1/2P 8.2K
558	C310	5361-4710423	CAP, CER 470p	436 436	R129	5135-472522	RES, CBN 1/2P 4.7K
559	C311	5361-561KB	CAP, CER 560p	436 434	R130 R131	5135-472522 5135-332522	RES, CBN 1/2P 4.7K
559	C312	5361-561KB	CAP, CER 560p	434	R132	5135-332522	RES, CBN 1/2P 3.3K RES, CBN 1/2P 3.3K
548 548	C313	5354-104593	CAP, MYL .1µ	446	R133	5135-332522	RES, CBN 1/2P 3.3K
548 552	C314 C315	5354-104593 5359-S010J223	CAP, MYL .1µ CAP, PPP .022µ	446	R134	5135-332522	RES, CBN 1/2P 3.3K
552	C316	5359-S010J223	CAP, PPP .022µ CAP, PPP .022µ	443	R135	5135-392522	RES, CBN 1/2P 3.9K
553	C317	5359-S010J103	CAP, PPP .01µ	443 453	R136 R137	5135-392522 5135-105522	RES, CBN 1/2P 3.9K
553	C318	5359-S010J103	CAP, PPP .01µ	453	R137	5135-105522	RES, CBN 1/2P 1M RES, CBN 1/2P 1M
542	C319	5345-106F041	CAP, MINI ELE 10µ/50V	447	R139	5135-103522	RES, CBN 1/2P 10K

Qar	No Dof M	p. Part No.	Deportution		2	
447			Description	Ser. No. Ref. No		<u>Description</u>
449		5135-103522 5135-104522	RES, CBN 1/2P 10K RES, CBN 1/2P 100K	719 R401	5135-334522	RES, CBN 1/2P 330K
449		5135-104522	RES, CBN 1/2P 100K	719 R402 720 R407	5135-334522 5135-103522	RES, CBN 1/2P 330K RES, CBN 1/2P 10K
431		5135-4R7522	RES, CBN 1/2P 4.7	720 R408	5135-103522	RES, CBN 1/2P 10K
442 750		5135-102522	RES, CBN 1/2P 1K	721 R409	5135-223522	RES, CBN 1/2P 22K
750		5135-102522 5135-102522	RES, CBN 1/2P 1K RES, CBN 1/2P 1K	721 R410	5135-223522	RES, CBN 1/2P 22K
750		5135-102522	RES, CBN 1/2P 1K	662 R515 669 R516	5135-103522 5135-123522	RES, CBN 1/2P 10K
750		5135-102522	RES, CBN 1/2P 1K	667 R517	5135-223522	RES, CBN 1/2P 12K RES, CBN 1/2P 22K
751		5135-104522	RES, CBN 1/2P 100K	662 R518	5135-103522	RES, CBN 1/2P 10K
751 750		5135-104522 5135-102522	RES, CBN 1/2P 100K RES, CBN 1/2P 1K	663 R521	5135-104522	RES, CBN 1/2P 100K
750		5135-102522	RES, CBN 1/2P 1K	663 R522 658 R523	5135-104522	RES, CBN 1/2P 100K
750		5135-102522	RES, CBN 1/2P 1K	658 R524	5135-222522 5135-222522	RES, CBN 1/2P 2.2K RES, CBN 1/2P 2.2K
750		5135-102522	RES, CBN 1/2P 1K	691 R701	5135-222522	RES, CBN 1/2P 2.2K
752 749		5135-472522 5135-562522	RES, CBN 1/2P 4.7K RES, CBN 1/2P 5.6K	691 R702	5135-222522	RES, CBN 1/2P 2.2K
496		5135-152522	RES, CBN 1/2P 1.5K	688 R705 688 R706	5135-103522 5135-103522	RES, CBN 1/2P 10K
496		5135-152522	RES, CBN 1/2P 1.5K	689 R707	5135-392522	RES, CBN 1/2P 10K RES, CBN 1/2P 3.9K
497 497		5135-222522	RES, CBN 1/2P 2.2K	689 R708	5135-392522	RES, CBN 1/2P 3.9K
498		5135-222522 5135-104522	RES, CBN 1/2P 2.2K RES, CBN 1/2P 100K	688 R709 688 R710	5135-103522	RES, CBN 1/2P 10K
498		5135-104522	RES, CBN 1/2P 100K	688 R710 690 R711	5135-103522 5135-223522	RES, CBN 1/2P 10K RES, CBN 1/2P 22K
499		5135-223522	RES, CBN 1/2P 22K	690 R712	5135-223522	RES, CBN 1/2P 22K
499 500		5135-223522	RES, CBN 1/2P 22K	687 R713	5135-103522	RES, CBN 1/2P 10K
500		5135-183522 5135-183522	RES, CBN 1/2P 18K RES, CBN 1/2P 18K	687 R714	5135-103522	RES, CBN 1/2P 10K
501		5135-103522	RES, CBN 1/2P 10K	691 R717 687 R718	5135-222522 5135-103522	RES, CBN 1/2P 2.2K
501	R212	5135-103522	RES, CBN 1/2P 10K	687 R719	5135-103522	RES, CBN 1/2P 10K RES, CBN 1/2P 10K
518 518		5135-823522	RES, CBN 1/2P 82K	694 R722	5135-473522	RES, CBN 1/2P 47K
519		5135-823522 5135-563522	RES, CBN 1/2P 82K RES, CBN 1/2P 56K	694 R724	5135-473522	RES, CBN 1/2P 47K
519		5135-563522	RES, CBN 1/2P 56K	898 R752 899 R753	5135-104522 5135-331522	RES, CBN 1/2P 100K
508	R217	5135-154522	RES, CBN 1/2P 150K	900 R754	5135-104522	RES, CBN 1/2P 330 RES, CBN 1/2P 100K
508 505	R218 R219	5135-154522	RES, CBN 1/2P 150K	904 R 7 55	5135-103522	RES, CBN 1/2P 10K
505	R220	5135-222522 5135-222522	RES, CBN 1/2P 2.2K RES, CBN 1/2P 2.2K	901 R756 902 R757	5135-331522	RES, CBN 1/2P 330
506	R221	5135-472522	RES, CBN 1/2P 4.7K	902 R757 898 R758	5135-332522 5135-104522	RES, CBN 1/2P 3.3K
506	R222	5135-472522	RES, CBN 1/2P 4.7K	903 R759	5135-471522	RES, CBN 1/2P 100K RES, CBN 1/2P 470
507 507	R223 R224	5135-104522 5135-104522	RES, CBN 1/2P 100K	871 	5102-1004715	RES, FUSE 10
515	R225	5135-151522	RES, CBN 1/2P 100K RES, CBN 1/2P 150	872 R804 873 R806	5135-103522	RES, CBN 1/2P 10K
515	R226	5135-151522	RES, CBN 1/2P 150	873 R807	5135-5R6522 5135-5R6522	RES, CBN 1/2P 5.6 RES, CBN 1/2P 5.6
510	R227	5135-122522	RES, CBN 1/2P 1.2K	873 R808	5135-5R6522	RES, CBN 1/2P 5.6
510 511	R228 R229	5135-122522 5135-221522	RES, CBN 1/2P 1.2K	873 R809	5135-5R6522	RES, CBN 1/2P 5.6
511	R230	5135-221522	RES, CBN 1/2P 220 RES, CBN 1/2P 220	872 R811 872 R813	5135-103522	RES, CBN 1/2P 10K
509	R231	5135-821522	RES, CBN 1/2P 820	877 R814	5135-103522 5135-473522	RES, CBN 1/2P 10K RES, CBN 1/2P 47K
509 499	R232	5135-821522	RES, CBN 1/2P 820	877 R815	5135-473522	RES, CBN 1/2P 47K
499	R233 R234	5135-223522 5135-223522	RES, CBN 1/2P 22K RES, CBN 1/2P 22K	872 R816	5135-103522	RES, CBN 1/2P 10K
510	R235	5135-122522	RES, CBN 1/2P 1.2K	874 R817 875 R818	5135-471522 5135-102522	RES, CBN 1/2P 470
510	R236	5135-122522	RES, CBN 1/2P 1.2K	878 R819	5135-222522	RES, CBN 1/2P 1K RES, CBN 1/2P 2.2K
512 512	R237 R238	5135-104522 5135-104522	RES, CBN 1/2P 100K	876 R820	5135-223522	RES, CBN 1/2P 22K
515	R239	5135-151522	RES, CBN 1/2P 100K RES, CBN 1/2P 150	878 R821	5135-222522	RES, CBN 1/2P 2.2K
515	R240	5135-151522	RES, CBN 1/2P 150	876 R822 877 R823	5135-223522 5135-473522	RES, CBN 1/2P 22K RES, CBN 1/2P 47K
514	R243	5135-910522	RES, CBN 1/2P 91	877 R824	5135-473522	RES, CBN 1/2P 47K
514 513	R244 R245	5135-910522 5135-101522	RES, CBN 1/2P 91	880 R827	5135-472522	RES, CBN 1/2P 4.7K
513	R246	5135-101522	RES, CBN 1/2P 100 RES, CBN 1/2P 100	879 R829 875 R831	5135-561522 5135-102522	RES, CBN 1/2P 560
517	R247	5135-473522	RES, CBN 1/2P 47K	875 R832	5135-102522	RES, CBN 1/2P 1K RES, CBN 1/2P 1K
517 516	R248 R263	5135-473522	RES, CBN 1/2P 47K			7120, 0211 1121 111
516	R264	5135-331522 5135-331522	RES, CBN 1/2P 330 RES, CBN 1/2P 330	F04 10004	INTEGRATED CI	
562	R301	5135-220522	RES, CBN 1/2P 22	521 IC301 702 IC401	5653-U1297CA 5653-BA6138	IC, LINEAR
562	R302	5135-220522	RES, CBN 1/2P 22		5654-TC4011BP	IC, LINEAR IC, DIGITAL
568 568	R303 R304	5135-333522	RES, CBN 1/2P 33K	881 IC751	5652-NJM4558D	IC, MONO
539	R305	5135-333522 5135-4R7522	RES, CBN 1/2P 33K RES, CBN 1/2P 4.7	851 IC801	5653-BA6229	IC, LINEAR
565	R306	5135-103522	RES, CBN 1/2P 10K		TRANSISTORS	
565	R307	5135-103522	RES, CBN 1/2P 10K		5612-1375	XISTOR, PNP A
538 567	R308 R309	5135-100522 5135-154522	RES, CBN 1/2P 10	586 Q2	5613-2320(F)	XISTOR, NPN R
567	R310	5135-154522 5135-154522	RES, CBN 1/2P 150K RES, CBN 1/2P 150K		5613-2320(F)	XISTOR, NPN R
568	R311	5135-333522	RES, CBN 1/2P 33K		5612-1375 5613-2320(F)	XISTOR, PNP A XISTOR, NPN R
568	R312	5135-333522	RES, CBN 1/2P 33K		5613-2320(F)	XISTOR, NPN R
538 571	R314 R315	5135-100522 5135-102522	RES, CBN 1/2P 10	584 Q7	5611-966(Y)	XISTOR, PNP R
571	R316	5135-102522	RES, CBN 1/2P 1K RES, CBN 1/2P 1K		5613-2320(F) 5613-2336(V)	XISTOR, NPN R
572	R317	5135-561522	RES, CBN 1/2P 560		5613-2236(Y) 5611-999(F)	XISTOR, NPN R XISTOR, PNP R
572 572	R318	5135-561522	RES, CBN 1/2P 560	583 Q12	5611-999(F)	XISTOR, PNP R
573 573	R319 R320	5135-221522 5135-221522	RES, CBN 1/2P 220 RES, CBN 1/2P 220	678 Q51	5611-999(F)	XISTOR, PNP R
566	R321	5135-822522	RES, CBN 1/2P 220 RES, CBN 1/2P 8.2K		5613-1775(F) 5613-1775(F)	XISTOR, NPN R
564	R322	5135-101522	RES, CBN 1/2P 100		5613-1775(F)	XISTOR, NPN R XISTOR, NPN R

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Ser. No. Ref. No.	. Part No.	Description	Ser. No.	Ref. No.	Part No.	Description
401 Q104	5613-1775(F)	XISTOR, NPN R	680 ⚠		5631-1S2473	DIODE, DET
402 Q105 402 Q106	5613-2320L(F) 5613-2320L(F)	XISTOR, NPN R		D53 D54	5631-1S2473	DIODE, DET
404 Q107	5613-UN4214	XISTOR, NPN R XISTOR, NPN R		D55	5635-HZ11C1L 5635-RD5R1EB2	DIODE, ZENER DIODE, ZENER
404 Q108	5613-UN4214	XISTOR, NPN R		D56	5631-1S2473	DIODE, DET
403 Q109	5613-2320(F)	XISTOR, NPN R		D57	5631-1S2473	DIODE, DET
755 Q151	5613-2320L(F)	XISTOR, NPN R		D58	5635-HZ16-2L	DIODE, ZENER
755 Q152 463 Q201	5613-2320L(F) 5613-UN4214	XISTOR, NPN R XISTOR, NPN R		D101 D301	5635-HZ11B2L 5631-1S2473	DIODE, ZENER DIODE, DET
463 Q202	5613-UN4214	XISTOR, NPN R		D302	5631-1S2473	DIODE, DET
463 Q203	5613-UN4214	XISTOR, NPN R		D303	5631-1S2473	DIODE, DET
463 Q204	5613-UN4214	XISTOR, NPN R		D701	5631-1S2473	DIODE, DET
463 Q205 463 Q206	5613-UN4214 5613-UN4214	XISTOR, NPN R XISTOR, NPN R		D702 D703	5631-1S2473 5631-1S2473	DIODE, DET DIODE, DET
464 Q207	5614-1450(T)	XISTOR, NPN A		D751	5631-1S2473	DIODE, DET
464 Q208	5614-1450(T)	XISTOR, NPN A		D752	5631-1\$2473	DIODE, DET
461 Q209	5613-2320L(F)	XISTOR, NPN R		D801	5635-HZ7C3	DIODE, ZENER
461 Q210 462 Q211	5613-2320L(F) 5611-999L(F)	XISTOR, NPN R XISTOR, PNP R		D802 D803	5635-HZ5C2	DIODE, ZENER
462 Q212	5611-999L(F)	XISTOR, PNP R		D803	5635-HZ3B2 5632-S5566B	DIODE, ZENER DIODE, RECT
461 Q213	5613-2320L(F)	XISTOR, NPN R		D805	5631-1S2473	DIODE, DET
461 Q214	5613-2320L(F)	XISTOR, NPN R				
465 Q215 462 Q217	5611-UN4114	XISTOR, PNP R	400	1 404	COILS	COIL WICODE
462 Q217 462 Q218	5611-999L(F) 5611-999L(F)	XISTOR, PNP R XISTOR, PNP R		L101 L102	5995-S200J273 5995-S200J273	COIL W/CORE
461 Q219	5613-2320L(F)	XISTOR, NPN R		L201	5932-11504	COIL CASE, 7
461 Q220	5613-2320L(F)	XISTOR, NPN R	469	L202	5932-11504	COIL CASE, 7
523 Q301	5613-2120(Y)	XISTOR, NPN R		L301	5932-11401	COIL CASE, 7
523 Q302 526 Q303	5613-2120(Y) 5611-950(Y)	XISTOR, NPN R XISTOR, PNP R	532	L302	5932-11401	COIL CASE, 7
524 Q304	5613-UN4214	XISTOR, PNP R			CONTROLS	
524 Q305	5613-UN4214	XISTOR, NPN R	411	VR101	5101-20301934	RES, SEMI FIX 20K
524 Q306	5613-UN4214	XISTOR, NPN R		VR102		RES, SEMI FIX 20K
524 Q307 524 Q308	5613-UN4214	XISTOR, NPN R	738		5113-S0604503	RES, V CBN 16 50K
525 Q309	5613-UN4214 5613-3311A(R)	XISTOR, NPN R XISTOR, NPN R	473	154 VR201	5101-20201934	RES, SEMI FIX 2K
527 Q310	5611-UN4114	XISTOR, PNP R			5101-20201934	RES, SEMI FIX 2K
524 Q311	5613-UN4214	XISTOR, NPN R		VR301	5101-20301934	RES, SEMI FIX 20K
715 Q401	5613-UN4214	XISTOR, NPN R			5101-20301934	RES, SEMI FIX 20K
716 Q402 642 Q505	5613-3311A(R) 5613-UN4214	XISTOR, NPN R XISTOR, NPN R		VR303 VR304	5101-20301934 5101-20301934	RES, SEMI FIX 20K RES, SEMI FIX 20K
644 Q506	5613-3311A(R)	XISTOR, NPN R		VR305	5101-50201934	RES, SEMI FIX 5K
673 Q701	5613-2878(B)	XISTOR, NPN R		VR306	5101-50201934	RES, SEMI FIX 5K
673 Q702	5613-2878(B)	XISTOR, NPN R		VR401	5101-20201934	RES, SEMI FIX 2K
672 Q703 672 Q704	5613-2240(BL) 5613-2240(BL)	XISTOR, NPN R XISTOR, NPN R		VR402 VR751	5101-20201934	RES, SEMI FIX 2K
672 Q705	5613-2240(BL)	XISTOR, NPN R	000	VII/DI	5101-10401934	RES, SEMI FIX 100K
672 Q706	5613-2240(BL)	XISTOR, NPN R			MISCELLANEOUS	
677 Q707	5614-1450(T)	XISTOR, NPN A	782 🛦		4484-46	PIN JACK, 4P
677 Q708 677 Q709	5614-1450(T)	XISTOR, NPN A		J2	4451-00184	JACK, 1P
677 Q710	5614-1450(T) 5614-1450(T)	XISTOR, NPN A XISTOR, NPN A		J3 JL101	4451-00184 4242-R0506121	JACK, 1P JUMPER LEAD
675 Q711	5611-970(BL)	XISTOR, PNP R		LC201	5214-13802	LC COMPOSITE
676 Q712	5611-UN4114	XISTOR, PNP R		LC202	5214-13802	LC COMPOSITE
674 Q713	5613-UN4214	XISTOR, NPN R		LC203	5214-13901	LC COMPOSITE
676 Q714 676 Q715	5611-UN4114 5611-UN4114	XISTOR, PNP R XISTOR, PNP R			5214-13901 4163-S0205161	LC COMPOSITE CONNECTOR W/W
676 Q716	5611-UN4114	XISTOR, PNP R			4163-S0205151	CONNECTOR W/W
676 Q717	5611-UN4114	XISTOR, PNP R			4163-S0204141	CONNECTOR W/W
856 Q801	5613-UN4214	XISTOR, NPN R		T301	5923-10302	OSC COIL, 10
855 Q802 855 Q803	5613-2925(T) 5613-2925(T)	XISTOR, NPN R		PH801	5624-ON3161	PHOTO COUPLR
855 Q804	5613-2925(T)	XISTOR, NPN R XISTOR, NPN R		TP101 TP102	4214-132 4214-132	TERMINAL TERMINAL
854 Q805	5613-3311Å(R)	XISTOR, NPN R		TP201	4214-132	TERMINAL
854 Q806	5613-3311A(R)	XISTOR, NPN R	776	TP202	4214-132	TERMINAL
854 Q807	5613-3311A(R)	XISTOR, NPN R		TP203	4214-132	TERMINAL
853 Q808 853 Q809	5611-UN4114 5611-UN4114	XISTOR, PNP R XISTOR, PNP R		TP501 TP502	4214-132 4214-132	TERMINAL TERMINAL
853 Q810	5611-UN4114	XISTOR, PNP R		TP701	4214-132	TERMINAL
		•	807	CN101	4443-0601102	CONNECTOR
500 A D4	DIODES	DIODE DEST			4443-00501007	CONNECTOR
589	5632-S5566B 5632-S5566B	DIODE, RECT DIODE, RECT		CN103 CN201	4443-00501007 4443-04501004	CONNECTOR CONNECTOR
589 <u>↑</u> D3	5632-S5566B	DIODE, RECT			4443-04501004	CONNECTOR
589 \Lambda D4	5632-S5566B	DIODE, RECT	788	CN203	4443-04501005	CONNECTOR
589 <u>∧</u> D5	5632-S5566B	DIODE, RECT		CN301	4443-0201102	CONNECTOR
589 <u>∧</u> D6 589 D7	5632-S5566B 5632-S5566B	DIODE, RECT	810	CN801	4443-05501026	CONNECTOR
589 D8	5632-S5566B	DIODE, RECT DIODE, RECT	61.75.4	扩展更加多数		
591 D9	5635-HZ12B2L	DIODE, ZENER			PCB-2 FRONT	P. C. BOARD
591 D10	5635-HZ12B2L	DIODE, ZENER	100 May 100 Ma	ne sau mad sa pid sa til d	CARACITORS	
593 D11 592 D12	5635-HZ6B2L	DIODE, ZENER	833	C901	CAPACITORS 5345-106D041	CAP, MINI ELE 10µ/25V
592 D12 594 D13	5635-HZ6A1L 5635-HZ18-2L	DIODE, ZENER DIODE, ZENER		C902	5359-S010J103	CAP, PPP .01µ
590 D14	5635-HZ12C2L	DIODE, ZENER		C904	5361-223ZF	CAP, CER .022µ
680 🛕 D51	5631-1S2473	DIODE, DET	832	C905	5345-106D041	CAP, MINI ELE 10µ25V

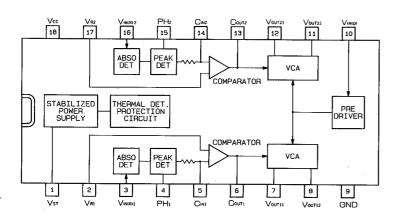
Ser. No	<u>. Ref. No.</u>	Part No.	<u>Description</u>	Ser. No.	Ref. No.	Part No.	Description
832	C906	5345-106D041	CAP, MINI ELE 10µ/25V	648	C516		
		0010 1000011	OAI, WHITE CEE TOP 204	649	C517	5345-106C0951 5345-227C041	CAP, MINI ELE 10µ/16V
		RESISTORS		649	C518	5345-227C041	CAP, MINI ELE 220µ/16V CAP, MINI ELE 220µ/16V
841	R901	5135-104522	RES, CBN 1/2P 100K	656	C519	5359-S010J182	CAP, PPP 1800p
837	R902	5135-102522	RES, CBN 1/2P 1K	656	C520	5359-S010J182	CAP, PPP 1800p
838	R903	5135-183522	RES, CBN 1/2P 18K	655	C521	5359-S010J222	CAP, PPP 2200p
839	R904	5135-273522	RES, CBN 1/2P 27K	655	C522	5359-S010J222	CAP, PPP 2200p
839	R905	5135-273522	RES, CBN 1/2P 27K	648	C525	5345-106C0951	CAP, MINI ELE 10µ/16V
839	R906	5135-273522	RES, CBN 1/2P 27K	648	C526	5345-106C0951	CAP, MINI ELE 10µ/16V
839	R907	5135-273522	RES, CBN 1/2P 27K	648	C527	5345-106C0951	CAP, MINI ELE 10µ/16V
839	R908	5135-273522	RES, CBN 1/2P 27K	648	C528	5345-106C0951	CAP, MINI ELE 10µ/16V
839	R909	5135-273522	RES, CBN 1/2P 27K				
836 838	R910 R911	5135-473522	RES, CBN 1/2P 47K			RESISTORS	
841	R912	5135-183522 5135-104523	RES, CBN 1/2P 18K	664	R503	5135-332522	RES, CBN 1/2P 3.3K
841	R913	5135-104522	RES, CBN 1/2P 100K	664	R504	5135-332522	RES, CBN 1/2P 3.3K
836	R914	5135-104522 5135-473522	RES, CBN 1/2P 100K	665	R505	5135-682522	RES, CBN 1/2P 6.8K
836	R915	5135-473522	RES, CBN 1/2P 47K RES, CBN 1/2P 47K	665	R506	5135-682522	RES, CBN 1/2P 6.8K
840	R916	5135-182522	RES, CBN 1/2P 1.8K	659 659	R507 R508	5174-S010F243	RES, MTL 1/4 24K
839	R917	5135-273522	RES, CBN 1/2P 27K	660	R509	5174-S010F243	RES, MTL 1/4 24K
838	R918	5135-183522	RES, CBN 1/2P 18K	660	R510	5174-S010F561 5174-S010F561	RES, MTL 1/4 560
841	R919	5135-104522	RES, CBN 1/2P 100K	666	R511	5135-102522	RES, MTL 1/4 560 RES, CBN 1/2P 1K
841	R920	5135-104522	RES, CBN 1/2P 100K	661	R512	5174-S010F273	RES, MTL 1/4 27K
837	R921	5135-102522	RES, CBN 1/2P 1K	668	R513	5135-105522	RES, CBN 1/2P 1M
837	R922	5135-102522	RES, CBN 1/2P 1K	668	R514	5135-105522	RES, CBN 1/2P 1M
837	R923	5135-102522	RES, CBN 1/2P 1K	668	R519	5135-105522	RES, CBN 1/2P 1M
837	R924	5135-102522	RES, CBN 1/2P 1K	668	R520	5135-105522	RES, CBN 1/2P 1M
			-,			O TOO TOOLL	TIES, OBIT IZE TIM
		INTEGRATED CIRCU	IT			INTEGRATED CIRCUI	IT .
821	IC901	5654-MN18767J	IC, DIGITAL	641	IC501	5653-CXA1330S	IC, LINEAR
		TRANSISTORS				TRANSISTORS	
823	Q901	5611-UN4114	XISTOR, PNP R	643	Q501	5613-UN4214	XISTOR, NPN R
823	Q902	5611-UN4114	XISTOR, PNP R	643	Q502	5613-UN4214	XISTOR, NPN R
823	Q903	5611-UN4114	XISTOR, PNP R	643	Q503	5613-UN4214	XISTOR, NPN R
823	Q904	5611-UN4114	XISTOR, PNP R	643	Q504	5613-UN4214	XISTOR, NPN R
823	Q905	5611-UN4114	XISTOR, PNP R				
824	Q906	5613-3311A(R)	XISTOR, NPN R			MISCELLANEOUS	
		DIODEO			LC501	5214-13701	LC COMPOSITE
829	D004	DIODES	DIODE DET		LC502	5214-13701	LC COMPOSITE
	D901 D902	5631-1S2473	DIODE, DET		CN501	4443-04401005	CONNECTOR
		5631-1S2473	DIODE, DET	817	CN502	4443-04401004	CONNECTOR
829	D903	5631-1S2473	DIODE, DET	818	CN503	4443-04401006	CONNECTOR
029	D903		DIODE, DET	818	CN503		
		CONTROLS		818	CN503	4443-04401006	CONNECTOR
742			DIODE, DET RES, V CBN 100K	818	CN503	4443-04401006	
742	VR901/ 902	CONTROLS 5109-S0304104	RES, V CBN 100K	818	CN503	4443-04401006	CONNECTOR
742	VR901/ 902	CONTROLS		615 1	C1	4443-04401006 PCB-4 POWE	CONNECTOR R P.C. BOARD
742 746	VR901/ 902	CONTROLS 5109-S0304104	RES, V CBN 100K		C1	4443-04401006 PCB-4 POWE CAPACITOR	CONNECTOR R. P.C. BOARB CAP, MTL .01µ (B)
742 746 812	VR901/ 902 VR903 CN901	CONTROLS 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007	RES, V CBN 100K	615 1	C1	PCS-4 POWE CAPACITOR 5352-S010M103 5352-1030961	CONNECTOR R P.C. BOARD
742 746 812 812	VR901/ 902 VR903 CN901 CN902	CONTROLS 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-00401007	RES, V CBN 100K RES, V CBN 5K	615 <u>↑</u> 615B <u>↑</u>	C1 C1	PCB-4 POWE CAPACITOR 5352-S010M103 5352-1030961 RESISTOR	CAP, MTL .01µ BK CAP, MTL .01µ BB BB
742 746 812 812 809	VR901/ 902 VR903 CN901 CN902 CN903	CONTROLS 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-00401007 4443-05401026	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR	615 1	C1 C1	PCS-4 POWE CAPACITOR 5352-S010M103 5352-1030961	CONNECTOR R. P.C. BOARB CAP, MTL .01µ (B)
742 746 812 812 809 827	VR901/ 902 VR903 CN901 CN902 CN903 X901	CONTROLS 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-0404007 4443-05401026 5693-FC4004A4	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER	615 <u>↑</u> 615B <u>↑</u>	C1 C1	PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522	CAP, MTL .01µ BK CAP, MTL .01µ BB BB
742 746 812 812 809 827 758	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901	CONTROLS 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-05401026 4443-05401026 5693-FC4004A4 5722-050	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY	615 <u>^</u> 615B <u>^</u>	C1 C1 R30	PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS	CAP, MTL .01µ B BB RES, CBN 1/2P 3.3M B BB
742 746 812 812 809 827 758 735	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW901	CONTROLS 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-05401026 5683-FC4004A4 5722-050 4437-00604	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH	615 A 615BA 042BA 601 A	C1 C1 R30	PCB-4 POWE CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201	CONNECTOR R P.C. BOARD CAP, MTL .01µ BB CB RES, CBN 1/2P 3.3M BB BB XFORMER, POWER BB
742 746 812 812 809 827 758 735 735	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW901 SW902	CONTROLS 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH	615 <u>^</u> 615B <u>^</u>	C1 C1 R30	PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS	CAP, MTL .01µ B BB RES, CBN 1/2P 3.3M B BB
742 746 812 812 809 827 758 735 735 735	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW901 SW902 SW903	CONTROLS 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH PUSH SWITCH PUSH SWITCH	615 A 615BA 042BA 601 A	C1 C1 R30	PCB-4 POWE CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202	CONNECTOR R P.C. BOARD CAP, MTL .01µ BB CB RES, CBN 1/2P 3.3M BB BB XFORMER, POWER BB
742 746 812 812 809 827 758 735 735 735 735	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW901 SW902 SW903 SW904	CONTROLS 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-0401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH	615 A 615BA 042BA 601 A 601BA	C1 C1 R30	PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS	CONNECTOR R P.C. BOARD CAP, MTL .01µ B BB RES, CBN 1/2P 3.3M BBB XFORMER, POWER BX XFORMER, POWER BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB
742 746 812 812 809 827 758 735 735 735 735 735	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW902 SW903 SW903 SW904 SW905	CONTROLS 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH	615 A 615BA 042BA 601 A 601BA 731 A	C1 C1 R30 T1 T1 SW1	PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202	CONNECTOR R P.C. BGARD CAP, MTL .01µ B BB RES, CBN 1/2P 3.3M B BB XFORMER, POWER BX XFORMER, POWER BB PUSH SWITCH, POWER
742 746 812 812 809 827 758 735 735 735 735 735 735 735	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW901 SW902 SW903 SW905 SW906	CONTROLS 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH	615 A 615BA 042BA 601 A 601BA 731 A 041BA	C1 C1 R30 T1 T1 SW1 SW2	4443-04401006 PCB-4 POWE CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111	CONNECTOR R P.C. BGARD CAP, MTL .01µ B BB RES, CBN 1/2P 3.3M B BB XFORMER, POWER BK XFORMER, POWER BB PUSH SWITCH, POWER ROTARY SWITCH BB BB
742 746 812 812 809 827 758 735 735 735 735 735 736	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW901 SW902 SW903 SW904 SSW906 SW906 SW907	CONTROLS 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH	615 A 615BA 042BA 601 A 601BA 041BA 806	C1 C1 R30 T1 T1 SW1 SW2 CN1	4443-04401006 PCB-4 POWE CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185	CONNECTOR R P.C. BOARD CAP, MTL .01µ BB BB RES, CBN 1/2P 3.3M BB BB XFORMER, POWER BK XFORMER, POWER BB BB PUSH SWITCH, POWER ROTARY SWITCH BB BB CONNECTOR
742 746 812 812 809 827 758 735 735 735 735 735 735 735 735 736 733	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW901 SW902 SW903 SW904 SW905 SW905 SW905 SW907 SW908	CONTROLS 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00603 4431-S0112306	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH	615 A 615BA 042BA 601 A 601BA 731 A 806 777	C1 C1 R30 T1 T1 SW1 SW2 CN1 TM1	PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185 4214-122	CONNECTOR R P.C. BOARD CAP, MTL .01µ BR CAP, MTL .01µ BB RES, CBN 1/2P 3.3M BB XFORMER, POWER BK XFORMER, POWER BR TARY SWITCH, POWER ROTARY SWITCH BB CONNECTOR TERMINAL
742 746 812 809 827 758 735 735 735 735 735 735 735 735 735 735	VR901/ 902 VR903 CN901 CN902 CN903 X9901 SW901 SW902 SW903 SW905 SW906 SW907 SW908 SW908 SW909	CONTROLS 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH	615 A 615BA 042BA 601 A 601BA 731 A 806 777	C1 C1 R30 T1 T1 SW1 SW2 CN1	4443-04401006 PCB-4 POWE CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185	CONNECTOR R P.C. BOARD CAP, MTL .01µ BB BB RES, CBN 1/2P 3.3M BB BB XFORMER, POWER BK XFORMER, POWER BB BB PUSH SWITCH, POWER ROTARY SWITCH BB BB CONNECTOR
742 746 812 812 809 827 758 735 735 735 735 735 735 735 735 735 735	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW902 SW902 SW905 SW906 SW906 SW907 SW909 SW909 SW909 SW909	CONTROLS 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4431-S0112306 4431-S0112306 4431-S0112306	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH	615 A 615BA 042BA 601 A 601BA 041BA 806 777 777	C1 C1 R30 T1 T1 SW1 SW2 CN1 TM1 TM2	PC8-4 POWE CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185 4214-122 4214-122	CONNECTOR R P.C. BGARD CAP, MTL .01µ B BB RES, CBN 1/2P 3.3M B BB XFORMER, POWER BX XFORMER, POWER BX XFORMER, POWER BB EB PUSH SWITCH, POWER ROTARY SWITCH BB CONNECTOR TERMINAL TERMINAL
742 746 812 809 827 735 735 735 735 735 735 735 735 735 73	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW902 SW904 SW905 SW906 SW907 SW908 SW908 SW908 SW901 SW	CONTROLS 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH	615 A 615BA 042BA 601 A 601BA 041BA 806 777 777 ABBF	C1 C1 R30 T1 T1 SW1 SW2 CN1 TM1 TM2	PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185 4214-122	CONNECTOR R P.C. BOARD CAP, MTL .01µ B BB RES, CBN 1/2P 3.3M B BB XFORMER, POWER BS XFORMER, POWER BS XFORMER, POWER BS XFORMER, POWER BS EBB PUSH SWITCH, POWER ROTARY SWITCH BB CONNECTOR TERMINAL TERMINAL LIST
742 746 812 809 827 758 735 735 735 735 735 735 735 735 735 735	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW901 SW904 SW905 SW906 SW907 SW908 SW909 SW909 SW909 SW911 SW911	CONTROLS 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00603 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH	615 A 615BA 042BA 601 A 601BA 601BA 777 777 ABBF	C1 C1 R30 T1 SW1 SW2 CN1 TM1 TM2 REVIAT	PCB-4 POWE CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185 4214-122 4214-122 TIONS IN PARTS I	CONNECTOR R P.C. BGARD CAP, MTL .01µ BB BB RES, CBN 1/2P 3.3M BB BB XFORMER, POWER BK XFORMER, POWER BK XFORMER, POWER BB PUSH SWITCH, POWER ROTARY SWITCH BB BB CONNECTOR TERMINAL TERMINAL TERMINAL LIST RESISTORS
742 746 812 809 827 758 735 735 735 735 735 735 735 735 735 735	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW901 SW904 SW905 SW906 SW907 SW908 SW909 SW909 SW909 SW911 SW911	CONTROLS 5109-S0304104 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00603 4431-S0112306 4431-S0112306 4431-S0112306 4431-S010604	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH	615 A 615BA 042BA 601 A 601BA 731 A 041BA 806 777 777 ABBF CAPAC CAP, M	C1 C1 R30 T1 SW1 SW2 CN1 TM1 TM2 REVIAT	PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185 4214-122 4214-122 FIONS IN PARTS I	CONNECTOR R P.C. BOARD CAP, MTL .01µ BB CAP, MTL .01µ BB BB RES, CBN 1/2P 3.3M BB BB XFORMER, POWER BK XFORMER, POWER BB BB PUSH SWITCH, POWER BB BB CONNECTOR BB BB CONNECTOR BB BB LEST RESISTORS RES, CBN 1/6P :Carbon 1/6W
742 746 812 809 827 758 735 735 735 735 735 735 735 735 735 735	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW901 SW904 SW905 SW906 SW907 SW908 SW909 SW909 SW909 SW911 SW911	CONTROLS 5109-S0304104 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00603 4431-S0112306 4431-S0112306 4431-S0112306 4431-S010604	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH	615 A 615BA 042BA 601 A 601BA 601 BA	C1 C1 R30 T1 SW1 SW2 CN1 TM1 TM2 REVIAT	PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185 4214-122 4214-122 TIONS IN PARTS L :Electrolytic :Ceramic	CONNECTOR R P.C. BOARD CAP, MTL .01µ B BB RES, CBN 1/2P 3.3M B BB XFORMER, POWER BK XFORMER, POWER BB WITCH, POWER ROTARY SWITCH, POWER ROTARY SWITCH B BB CONNECTOR TERMINAL TERMINAL LIST RESISTORS RES, CBN 1/6P :Carbon 1/6W RES, FUSE :Fuse
742 746 812 809 827 758 735 735 735 735 735 735 735 735 735 735	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW901 SW904 SW905 SW906 SW907 SW908 SW909 SW909 SW909 SW911 SW911	CONTROLS 5109-S0304104 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00603 4431-S0112306 4431-S0112306 4431-S0112306 4431-S010604	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH	615 A 615BA 042BA 601 A 601BA 731 A 041BA 806 777 777 ABBF CAPAC CAP, M	C1 C1 R30 T1 SW1 SW2 CN1 TM1 TM2 REVIATIORS	PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185 4214-122 4214-122 FIONS IN PARTS I	CONNECTOR CAP, MTL .01µ EB CAP, MTL .01µ EB CAP, CAP, MTL .01µ EB CAP, CAP, MTL .01µ EB CAP,
742 746 812 809 827 758 735 735 735 735 735 735 735 735 735 735	VR901/ 902 VR903 CN901 CN902 CN903 X901 SW901 SW902 SW905 SW906 SW906 SW906 SW909 SW909 SW910 SW911 SW913	CONTROLS 5109-S0304104 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306 4431-S010604 4437-00604	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH	615 A 615BA 042BA 601 A 601BA 601BA 7777 7777 ABBF CAPAC CAP, M CAP, CI CAP, PI CAP, PI CAP, PI	C1 C1 R30 T1 SW1 SW2 CN1 TM1 TM2 REVIAT SITORS INI ELE EPP YL	PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185 4214-122 4214-122 TIONS IN PARTS I	CONNECTOR CAP, MTL .01µ
742 746 812 812 809 827 758 735 735 735 735 735 735 735 735 735 735	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW902 SW905 SW905 SW906 SW907 SW908 SW909 SW910 SW911 SW913	CONTROLS 5109-S0304104 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-05401026 5693-FC4004A4 572-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH	615 A 615BA 042BA 042BA 041BA	C1 C1 R30 T1 SW1 SW2 CN1 TM1 TM2 REVIAT TTORS INI ELE ER PP YL	4443-04401006 PCS-4 POWE CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185 4214-122 4214-122 TIONS IN PARTS I	CONNECTOR R P.C. BOARD CAP, MTL .01µ BB CAP, MTL .01µ BB BB RES, CBN 1/2P 3.3M BB BB XFORMER, POWER BK XFORMER, POWER BB BB VERN SWITCH, POWER BB
742 746 812 819 827 758 735 735 735 735 735 735 735 735 735 735	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW902 SW904 SW905 SW906 SW907 SW908 SW907 SW908 SW909 SW911 SW911 SW911	CONTROLS 5109-S0304104 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-05401026 5693-FC4004A4 57722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4431-S0112306 4431-S0112306 4431-S0112306 4431-S010604 4437-00604 4437-00604 4437-00604 590-25-25-25-25-25-25-25-25-25-25-25-25-25-	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH	615 A 615BA 042BA 042BA 601 A 601BA	C1 C1 R30 T1 SW1 SW2 CN1 TM1 TM2 REVIAT ENTORS SINIELE ER PP YL TIL CA	PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185 4214-122 4214-122 TIONS IN PARTS I Electrolytic :Ceramic :Polypropylene :Mylar :Metal	CONNECTOR R P.C. BOARD CAP, MTL .01µ BR CAP, MTL .01µ BB RES, CBN 1/2P 3.3M BB XFORMER, POWER BK XFORMER, POWER BR XFORMER, POWER BR CONNECTOR TERMINAL IST RESISTORS RES, CBN 1/6P :Carbon 1/6W RES, FUSE :Fuse RES, CEM 5P :Cerment 5W RES, MTL 1P :Metal 1W 2.2K :2.2kΩ
742 746 812 809 827 758 735 735 735 735 735 735 735 735 735 735	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW901 SW904 SW905 SW906 SW907 SW908 SW909 SW909 SW911 SW912 SW913	CONTROLS 5109-S0304104 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4431-S0112306 4431-S0112306 4431-S0112306 4431-S010604 4437-00604 4437-00604 6431-S010604 6431-S010605	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH	615 A 615BA 042BA 601 A 601BA 601BA 777777777777777777777777777777777777	C1 C1 R30 T1 T1 SW1 SW2 CN1 TM1 TM2 REVIAT TM2 REVIAT TM1 TM2 REVIAT TM1 TM1 TM1 TM2 REVIAT TM1 TM1 TM1 TM1 TM1 TM1 TM1 TM1 TM1 TM	4443-04401006 PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185 4214-122 TIONS IN PARTS L Electrolytic :Ceramic :Polypropylene :Mylar :Metal :Mica	CONNECTOR R P.C. BOARD CAP, MTL .01µ BB CAP, MTL .01µ BB BB RES, CBN 1/2P 3.3M BB BB XFORMER, POWER BK XFORMER, POWER BB BB VERN SWITCH, POWER BB
742 746 812 812 809 827 758 735 735 735 735 735 733 733 733 733 733	VR901/ 902 VR903 CN901 CN902 CN903 XP901 SW901 SW902 SW905 SW906 SW906 SW907 SW908 SW909 SW910 SW911 SW911 SW913	CONTROLS 5109-S0304104 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00605 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306 5435-10550951 5345-10550951 5345-10550951	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH PUSH S	615 A 615BA 042BA 042BA 041BA	C1 C1 R30 T1 SW1 SW2 CN1 TM1 TM2 REVIAT TM2 REVIAT TIM2 FP YL TIL CA INI ELE EP YL TIL CIA	PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185 4214-122 TIONS IN PARTS I Electrolytic :Ceramic :Polypropylene :Mylar :Metal :Mica :Bipolar :Polystyrene Film	CONNECTOR CAP, MTL .01µ EB CAP, MTL .01
742 746 812 812 809 827 758 735 735 735 735 735 735 735 735 735 735	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW902 SW905 SW905 SW906 SW907 SW906 SW907 SW909 SW910 SW911 SW913	CONTROLS 5109-S0304104 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 50112306 501	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH CAP, MINI ELE 1µ/50V CAP, PRIP 22000	615 A 615BA 042BA 601 A 601BA 731 A 601BA 777 777 ABBF CAPAC CAP, M CAP, SI CAP, SI CAP, SI	C1 C1 R30 T1 SW1 SW2 CN1 TM1 TM2 REVIAT TM2 REVIAT TINELE ER PP YL TIL CA INI BP LE BP IY PE	4443-04401006 PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185 4214-122 TIONS IN PARTS L Electrolytic :Ceramic :Polypropylene :Mylar :Metal :Mica :Bipolar :Electrolytic Bipolar :Polystyrene Film :Special	CONNECTOR CAP, MTL .01µ
742 746 812 819 827 758 735 735 735 735 735 735 735 735 735 735	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW902 SW905 SW905 SW906 SW907 SW908 SW907 SW908 SW909 SW911 SW911 SW913	CONTROLS 5109-S0304104 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-05401026 5593-FC4004A4 57722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 5345-105103506 5345-10550951 5345-10550951 5345-10550951 5345-10550951 5345-10550951 5345-10550951 5345-10550951	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH CAP, MINI ELE 1µ50V	615 A 615BA 6415BA 641BA	C1 C1 R30 T1 SW1 SW2 CN1 TM1 TM2 REVIAT TM1 ELE ER PP YL TIL CA INI BP LE BP IY LE BP IX LE BP IX IX LE BP IX LE BP IX L	PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185 4214-122 4214-122 TIONS IN PARTS I Electrolytic Ceramic Polypropylene :Mylar :Metal :Mica :Bipolar :Electrolytic Bipolar :Polystyrene Film :Special :Tantalum	CONNECTOR CAP, MTL .01µ BB CAP, MTL .01µ BB CAP, MTL .01µ BB RES, CBN 1/2P 3.3M BBB XFORMER, POWER BK XFORMER, POWER BBB VERY SWITCH, POWER ROTARY SWITCH BBBB PUSH SWITCH, POWER ROTARY SWITCH BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB
742 746 812 809 827 758 735 735 735 735 735 736 733 733 733 735 735 746 747 647 647 647 647 647 647 647 644	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW901 SW902 SW908 SW906 SW907 SW908 SW909 SW911 SW912 SW913 CC501 CC502 CC503 CC507 CC507	CONTROLS 5109-S0304104 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306 5345-105F0951 5345-105F0951 5345-105F0951 5345-105F0951 5345-105F0951 5359-S010J222 5359-S010J222	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH PUSH S	615 A 615BA 6415BA 641BA 6611 A 6601BA 6611BA 6611 A 6601BA 6611 A 6601BA 6611 A 6601BA 6611BA 6611BA 6611BA 6611B	C1 C1 R30 T1 SW1 SW2 CN1 TM1 TM2 REVIAT ITORS INTOR	PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185 4214-122 4214-122 TIONS IN PARTS I Electrolytic Ceramic Polypropylene Mylar Metal Mica Bipolar Electrolytic Bipolar Polystyrene Film Special Tantalum 470µF	CONNECTOR CAP, MTL .01µ
742 746 812 812 809 827 758 735 735 735 735 735 733 733 733 733 733	VR901/ 902 VR903 CN901 CN902 CN903 XP901 SW901 SW905 SW906 SW906 SW906 SW908 SW908 SW909 SW910 SW911 SW911 SW913 CC501 CC502 CC503 CC504 CC507 CC508 CC509	CONTROLS 5109-S0304104 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00605 5345-105F0951	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH PUSH S	615 A 615BA 042BA 042BA 041BA	C1 C1 R30 T1 SW1 SW2 CN1 TM1 TM2 REVIAT TM2 REVIAT TM1 EFP YL TIL CA INI BP FP YL TIL CA INI BP FP YL TIL CA INI BP FP YL TIL SW2 SW3 SW3 SW3 SW3 SW3 SW3 SW3 SW3 SW3 SW3	PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185 4214-122 4214-122 TIONS IN PARTS I Electrolytic :Ceramic :Polypropylene :Mylar :Metal :Mica :Bipolar :Electrolytic Bipolar :Polystyrene Film :Special :Tantalum :470µF :6800pF	CONNECTOR CAP, MTL .01µ BB CAP, MTL .01
742 746 812 819 827 758 735 735 735 735 735 735 735 735 735 735	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW902 SW905 SW905 SW906 SW907 SW906 SW907 SW908 SW909 SW910 SW911 SW913 SW913	CONTROLS 5109-S0304104 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306 5345-105F0951 5345-105F0951 5345-105F0951 5345-105F0951 5345-105F0951 5359-S010J222 5359-S010J222	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH PUSH S	615 A 615BA 042BA 042BA 041BA	C1 C1 R30 T1 SW1 SW2 CN1 TM1 TM2 REVIAT TM2 REVIAT TM1 EFP YL TIL CA INI BP FP YL TIL CA INI BP FP YL TIL CA INI BP FP YL TIL SW2 SW3 SW3 SW3 SW3 SW3 SW3 SW3 SW3 SW3 SW3	PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185 4214-122 4214-122 TIONS IN PARTS I Electrolytic Ceramic Polypropylene Mylar Metal Mica Bipolar Electrolytic Bipolar Polystyrene Film Special Tantalum 470µF	CONNECTOR CAP, MTL .01µ
742 746 812 809 827 758 735 735 735 735 735 735 735 735 736 733 733 735 735 746 647 647 647 647 647 654 654 654 6551 651	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW902 SW903 SW906 SW906 SW907 SW908 SW908 SW909 SW911 SW912 SW913 C501 C502 C503 C504 C507 C508 C509 C509 C501 C501 C501 C502 C503 C504 C507 C508 C509 C501 C501 C501 C501 C502 C503 C504 C507 C508 C509 C501 C501 C501 C501 C501 C501 C501 C501	CONTROLS 5109-S0304104 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306 5345-105F0951 5359-S010J222 5359-S010J222 5359-S010J222 5359-S010J222 5359-S010J222 5355-564593 5354-564593	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH PUSH SWI	615 A 615BA 042BA 042BA 041BA	C1 C1 R30 T1 SW1 SW2 CN1 TM1 TM2 REVIAT TM2 REVIAT TM1 EFP YL TIL CA INI BP FP YL TIL CA INI BP FP YL TIL CA INI BP FP YL TIL SW2 SW3 SW3 SW3 SW3 SW3 SW3 SW3 SW3 SW3 SW3	PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185 4214-122 4214-122 TIONS IN PARTS I Electrolytic :Ceramic :Polypropylene :Mylar :Metal :Mica :Bipolar :Electrolytic Bipolar :Polystyrene Film :Special :Tantalum :470µF :6800pF	CONNECTOR CAP, MTL .01µ BB CAP, MTL .01
742 746 812 812 809 827 758 735 735 735 735 735 735 735 736 733 733 733 735 735 736 647 647 647 647 647 647 654 654 654 654 654 6554 65	VR901/ 902 VR903 CN901 CN902 CN903 X9901 SW901 SW905 SW906 SW905 SW906 SW907 SW908 SW908 SW909 SW910 SW911 SW911 SW913 CC501 CC502 CC503 CC504 CC507 CC508 CC509 CC510 CC511 CC512 CC513	CONTROLS 5109-S0304104 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00605 5345-10512306 5345-10560951 5345-105F0951	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH PUSH S	615 A 615BA 6415BA 641BA	C1 C1 R30 T1 SW1 SW2 CN1 TM1 TM2 REVIAT TIM2 REVIAT TIMELE ER PP YL TIL CA INI BP E BP ITY PE INI BP E 8800p 047µ	PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185 4214-122 4214-122 TIONS IN PARTS I Electrolytic :Ceramic :Polypropylene :Mylar :Metal :Mica :Bipolar :Electrolytic Bipolar :Polystyrene Film :Special :Tantalum :470µF :6800pF	CONNECTOR CAP, MTL .01µ BR CAP, MTC .01µ BR CAP, CAP, CAP, CAP, CAP, CAP, CAP, CAP,
742 746 812 812 809 827 758 735 735 735 735 735 735 735 737 733 733	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW902 SW905 SW906 SW907 SW906 SW907 SW908 SW909 SW910 SW913 SW913 SW913 SW913 SW909 SW910 SW910 SW911 SW913 SW913 SW914 SW915 SW916 SW916 SW917 SW917 SW917 SW918 SW	CONTROLS 5109-S0304104 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306 54451-S0112306 5451-S0515051 5345-105F0951 53559-S010J222 5359-S010J222 5359-S010J222 5359-S010J222 5359-S010J222 5359-S010J222 5359-S010J222 5354-564593 5354-564593 5354-334593 5354-334593	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH PUSH SWI	615 A 615BA 042BA 601 A 601BA	C1 C1 C1 R30 R502 CN1 SW2 CN1 TM1 TM2 REVIAT TM1 TM2 REVIAT TM1 EITORS INI ELE ER PP YL IL CA INI BP E BP IY E BP IY E BP IY E IN E BP IY E IN E BP IY E IN E BP IY E IN E IN E IN E IN E IN E IN E IN E IN	PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185 4214-122 4214-122 TIONS IN PARTS I Electrolytic Ceramic Polypropylene Mylar Metal Mica Bipolar Electrolytic Bipolar Polystyrene Film Special Tantalum 470µF 5800pF 10.047µF CHASSIS MISCELLAN 4161-71151	CONNECTOR CAP, MTL .01µ
742 746 812 812 809 827 758 735 735 735 735 735 735 735 737 733 733	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW902 SW905 SW906 SW907 SW906 SW907 SW908 SW909 SW910 SW913 SW913 SW913 SW913 SW909 SW910 SW910 SW911 SW913 SW913 SW914 SW915 SW916 SW916 SW917 SW917 SW917 SW918 SW	CONTROLS 5109-S0304104 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306 54451-S0112306 5451-S0515051 5345-105F0951 53559-S010J222 5359-S010J222 5359-S010J222 5359-S010J222 5359-S010J222 5359-S010J222 5359-S010J222 5354-564593 5354-564593 5354-334593 5354-334593	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH CAP, MINI ELE 1µ/50V CAP, MINI ELE 1µ/50V CAP, MINI ELE 1µ/50V CAP, PPP 2200p CAP, PPP 2200p CAP, PPP 2200p CAP, PPP 2200p CAP, MYL .56µ CAP, MINI ELE 10µ/16V	615 A 615BA 6415BA 641BA 6611 A 661BA 66	C1 C1 R30 SW1 SW2 CN1 ITM1 ITM2 REVIAT ITM1 ITM2 REVIAT ITM1 ITM2 REVIAT ITM1 ITM2 REVIAT ITM1 ITM2 REVIAT ITM1 ITM2 REVIAT ITM1 ITM2 REVIAT ITM1 ITM1 ITM1 ITM1 ITM1 ITM1 ITM1 ITM	PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185 4214-122 4214-122 TIONS IN PARTS I Electrolytic Ceramic Polypropylene Mylar Metal Mica Eljeotar Electrolytic Bipolar Polystyrene Film Special Trantalum 1470µF 18800pF 10.047µF CHASSIS MISCELLAN 4161-71551 4161-7256	CONNECTOR R P.C. BOARD CAP, MTL .01µ BB GB RES, CBN 1/2P 3.3M BB BB XFORMER, POWER BK XFORMER, POWER BK XFORMER, POWER BB WITCH, POWER ROTARY SWITCH, POWER ROTARY SWITCH BB BB PUSH SWITCH, POWER ROTARY SWITCH BB BB RES, CBN 1/6P :Carbon 1/6W RES, CBN 1/6P :Carbon 1/6W RES, FUSE FUSE RES, CEM 5P :Cement 5W RES, FUSE FUSE RES, CEM 5P :Cement 5W RES, MTL 1P :Metal 1W 2.2K :2.2k\(\Omega\) 220 :220\(\Omega\) TRANSISTORS XISTOR :Transistor FET :Field Effect Transistor CONTROLS RES, V CBN :Variable-Carbon Resistor RES, SEMI FIX :Semi-fixed Resistor REOUS CORD W/PLUG BB CORD W/PLUG BB CORD W/PLUG
742 746 812 812 809 827 758 735 735 735 735 735 735 735 737 733 733	VR901/ 902 VR903 CN901 CN902 CN903 X901 FL901 SW902 SW905 SW906 SW907 SW906 SW907 SW908 SW909 SW910 SW913 SW913 SW913 SW913 SW909 SW910 SW910 SW911 SW913 SW913 SW914 SW915 SW916 SW916 SW917 SW917 SW917 SW918 SW	CONTROLS 5109-S0304104 5109-S0304104 5109-S0402502 MISCELLANEOUS 4443-00401007 4443-05401026 5693-FC4004A4 5722-050 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4437-00604 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306 4431-S0112306 54451-S0112306 5451-S0515051 5345-105F0951 53559-S010J222 5359-S010J222 5359-S010J222 5359-S010J222 5359-S010J222 5359-S010J222 5359-S010J222 5354-564593 5354-564593 5354-334593 5354-334593	RES, V CBN 100K RES, V CBN 5K CONNECTOR CONNECTOR CONNECTOR OSC, CER TUBE DISPLAY PUSH SWITCH CAP, MINI ELE 1µ/50V CAP, MINI ELE 1µ/50V CAP, MINI ELE 1µ/50V CAP, PPP 2200p CAP, PPP 2200p CAP, PPP 2200p CAP, PPP 2200p CAP, MYL .56µ CAP, MINI ELE 10µ/16V	615 A 615BA 042BA 601 A 601BA	C1 C1 R30 SW1 SW2 CN1 ITM1 ITM2 REVIAT ITM1 ITM2 REVIAT ITM1 ITM2 REVIAT ITM1 ITM2 REVIAT ITM1 ITM2 REVIAT ITM1 ITM2 REVIAT ITM1 ITM2 REVIAT ITM1 ITM1 ITM1 ITM1 ITM1 ITM1 ITM1 ITM	PCB-4 POWEI CAPACITOR 5352-S010M103 5352-1030961 RESISTOR 5135-335522 TRANSFORMERS 5584-S8201 5584-S8201 5584-S8202 MISCELLANEOUS 4433-00202 4411-1047111 4443-060185 4214-122 4214-122 TIONS IN PARTS I Electrolytic Ceramic Polypropylene Mylar Metal Mica Eljeotar Electrolytic Bipolar Polystyrene Film Special Trantalum 1470µF 18800pF 10.047µF CHASSIS MISCELLAN 4161-71551 4161-7256	CONNECTOR R P.C. BOARD CAP, MTL .01µ B BB RES, CBN 1/2P 3.3M B BB XFORMER, POWER BK XFORMER, POWER BK XFORMER, POWER BB PUSH SWITCH, POWER ROTARY SWITCH B BB PUSH SWITCH, POWER ROTARY SWITCH B BB RES, CBN 1/6P :Carbon 1/6W RES, FUSE FUSE RES, CEM 5P :Cement 5W RES, MTL 1P :Metal 1W 2.2K :2.2kΩ 220 :220Ω TRANSISTORS XISTOR :Transistor FET :Field Effect Transistor CONTROLS RES, V CBN :Variable-Carbon Resistor RES, SEMI FIX :Semi-fixed Resistor

Ser. No. Ref. No.	Part No.	Description
762	4161-71184	CORD W/PLUG
791 JL801	4242-S0326131	JUMPER LEAD
	PACKAGE PARTS LIS	*
021B		
	1756-06303	LABEL BB
022B	1756-03124	LABEL (I) (B)
022F	1756-03111	LABEL BB
024F	1111-J30319	OWNER GUIDE BB
106	1111-J30323	OWNER GUIDE BE BB
106B	1111-J30324	OWNER GUIDE TB
107	1113-717004	OWNER CARD (BIX)
111	1119-047	ATTACH SHEET, WARRANTY
		BK
112	1119-0137	ATTACH SHEET, SERVICE
		AGENCIES BE
113	1119-01201	ATTACH SHEET, SAFETY (B)
115	1221-28007	CARTON BOX
115A	1221-28002	CARTON BOX BY BB
116	1222-7362	CUSHION
117	1222-7365	CUSHION
119	1223-R0220055	SOFT SHEET, SET FRONT
123	1241-R0160600	POLYETHY BAG, SET
124	1241-R0123350	POLYETHY BAG, OWNER GUIDE

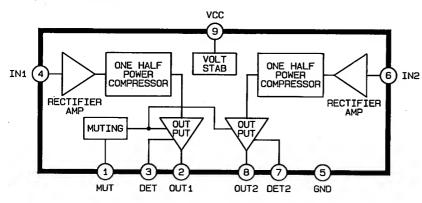
NOTE
SAFETY RELATED COMPONENT. USE ONLY EXACT REPLACEMENT PART AS SPECIFIED.

IC BLOCK DIAGRAM

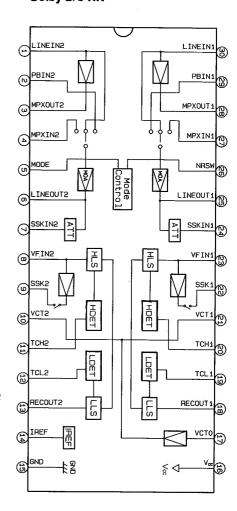
IC301 : μPC1297CA Dolby HX Pro



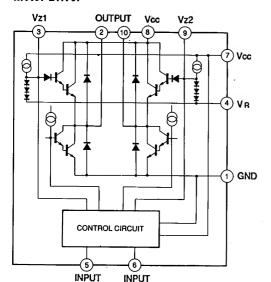
IC401 : BA6138 Signal Level Meter



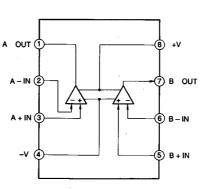
IC501 : CXA1330S Dolby B/C NR



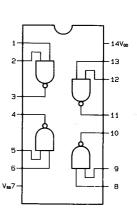
IC801 : BA6229 Motor Driver



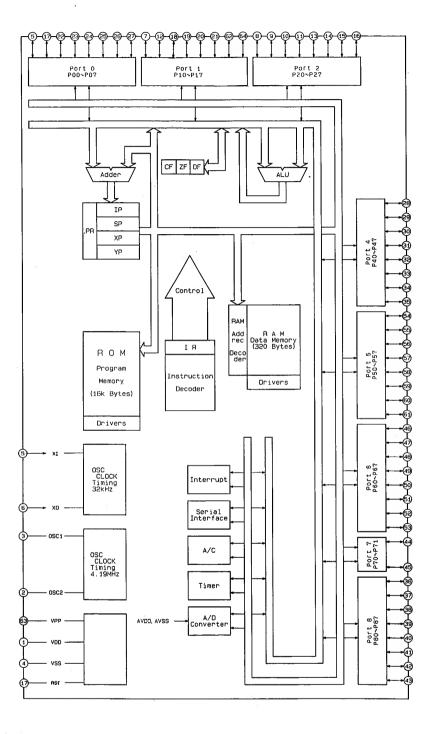
IC751: NJM4558D OP-Amp.



IC701 : TC4011BP 2-Input NAND Gate



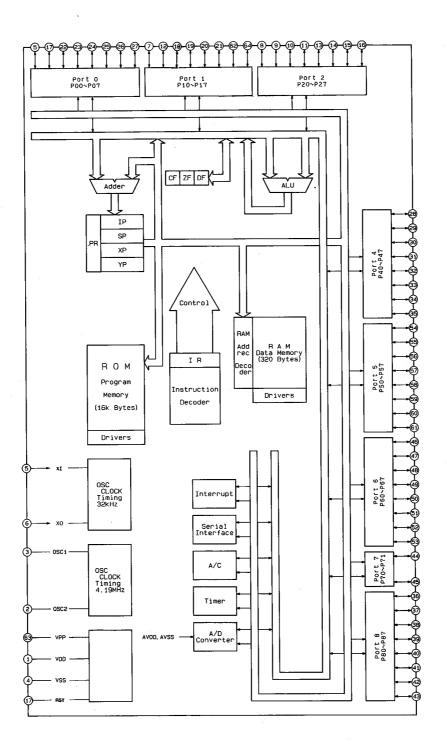
IC901 : MN187167J Logic Controller



TERMINAL FUNCTIONS

Pin No.	Port name	Function name	1/0-	Outline of functions
5	P06	ΧI	1	Initial setting switch. Hight level=ON
F 6	ХО	XO	0	
7.1	P17	AVdd	I	D/A converter standard voltage(DC 5V).
8	P27	AD7	ı	Key input terminal.
9	P26	AD6	I	Key input terminal.
10	P25	AD5	1	Key input terminal.
11	P24	AD4	1	Key input terminal.
12	P16	AVss		GND terminal.
-13	P23	AD3	_	Key input terminal.
14	P22	AD2	1	A/D input port for LEVEL METER indication.
15	P21	AD1	1	A/D input port for LEVEL METER indication.
* (i) 46	P20	AD0	- 1	A/D input port for music search.
1 17 T	P07	RST	1	Reset input.
18	1RQ1	R-SI	ı	Remote control input.
19	1RQ¢	VOLT DN	1	Power on/off detection terminal. Low level=OFF
20	P13	DOLBY-B	1	Input port to switch DOLBY display.
21	P12	DOLBY-C	1	Input port to switch DOLBY display.
22	P05	IND.CONT	0	High level on stand-by or display off and after power off.
23	P04	MONITOR	0	High level on MONITOR mode. Low level on SOURCE mode.
24	P03	REC	0	REC/PLAY switching terminal. High level on REC.
25	P02	BIAS	0	BIAS control terminal. High level=BIAS ON
26	P01	REC MUTE	0	Recording amp. muting terminal. High level=MUTING ON
27	P00	PB MUTE	0	Playback amp. muting terminal. High level=MUTING ON
-28	P47	LINE MUTE	0	Line muting terminal. High level=MUTING ON
29	P46	RM1	0	Reel motor control. High level=active
30	P45	RM2	0	Reel motor control. High level=active
- 31	P44	RPC	0	Reel motor power control. High level=power down
32	P43	СРМ	0	Capstan motor control.

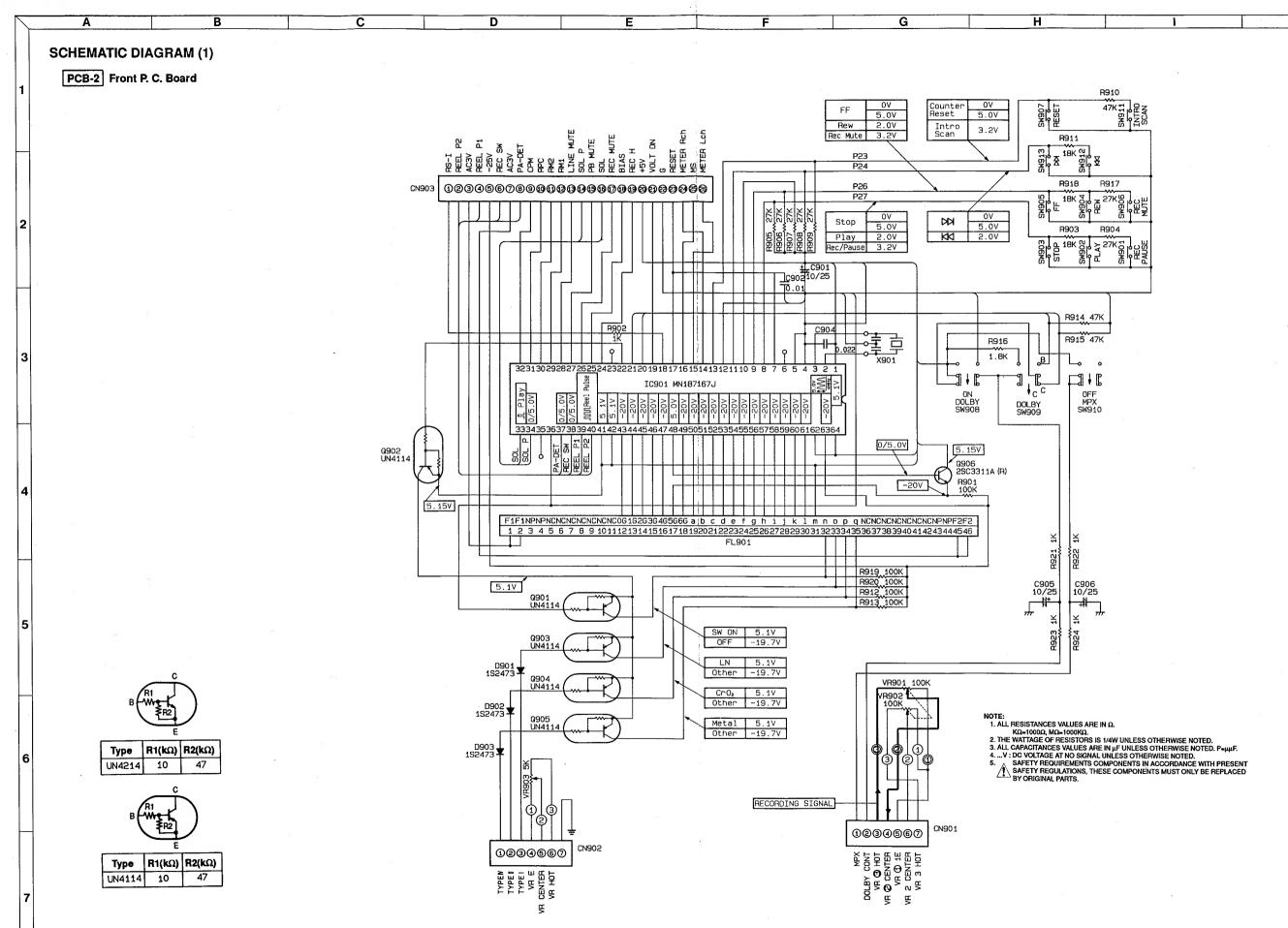
NOTE: Low level=0V High level=5.1V

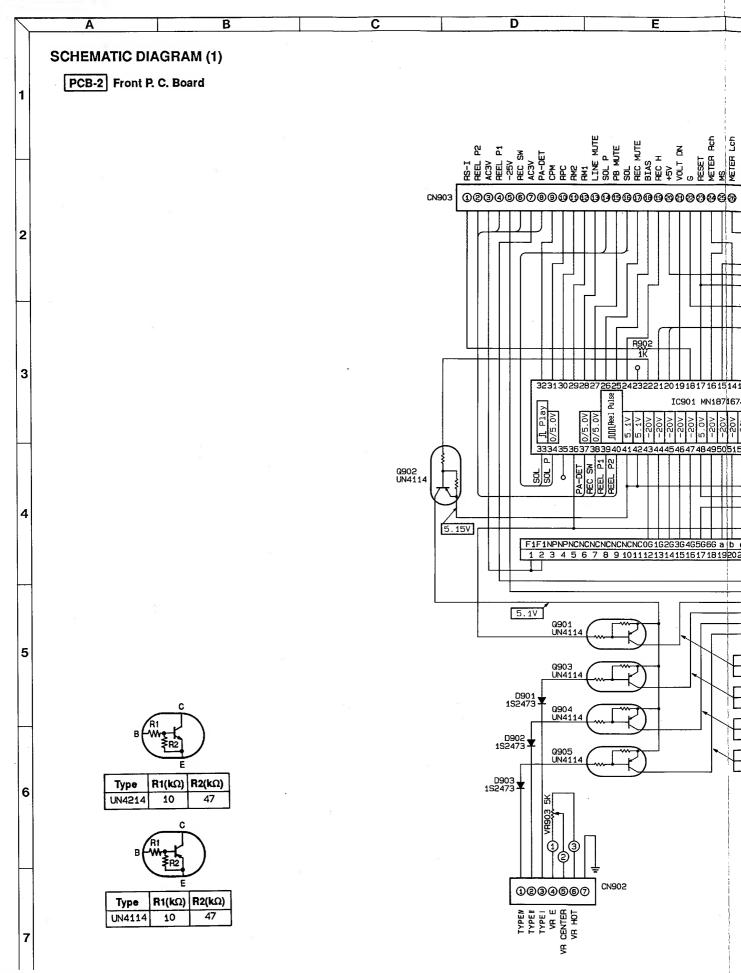


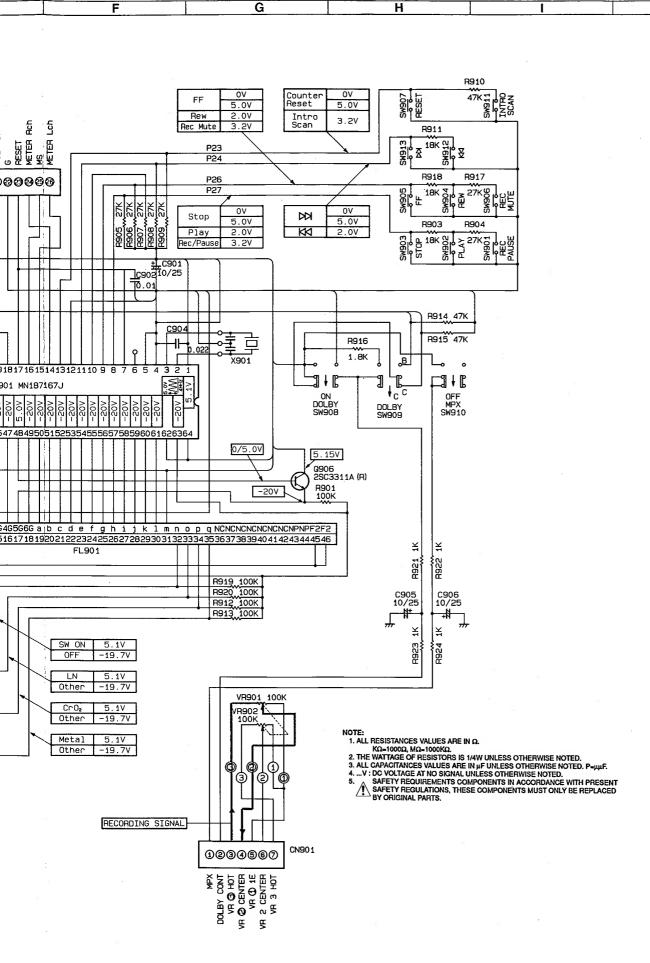
TERMINAL FUNCTIONS

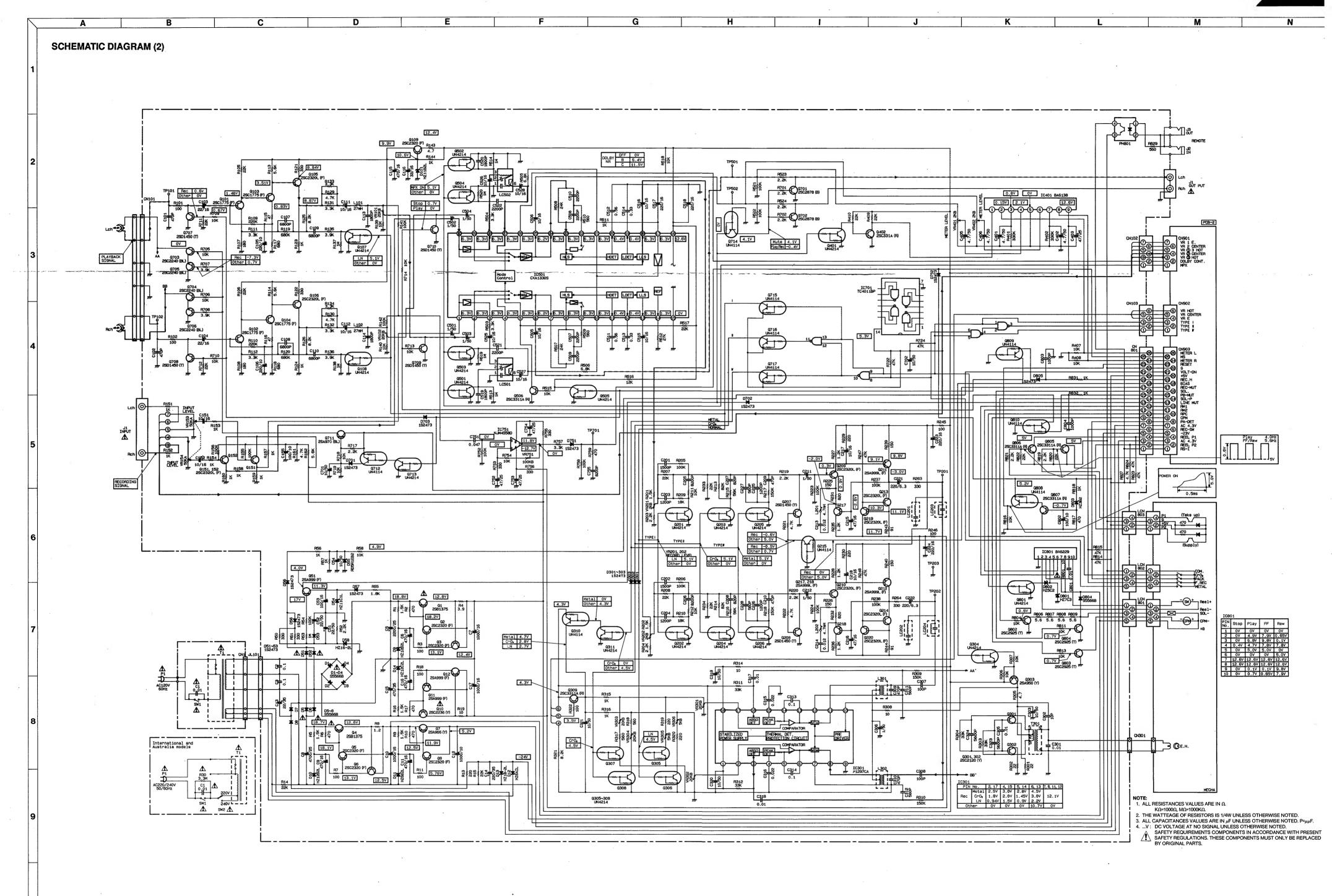
Pin No.	Port name	Function name	1/0	Outline of functions
5	P06	ΧI	ı	Initial setting switch. Hight level=ON
1.06	XO	хо	0	
7 T	P17	AVdd		D/A converter standard voltage(DC 5V).
8	P27	AD7		Key input terminal.
. 9	P26	AD6		Key input terminal.
7-410	P25	AD5	1	Key input terminal.
11	P24	AD4	ı	Key input terminal.
12	P16	AVss		GND terminal.
13	P23	AD3	1	Key input terminal.
14	P22	AD2	1	A/D input port for LEVEL METER indication.
15	P21	AD1	ı	A/D input port for LEVEL METER indication.
16	P20	AD0	Ī	A/D input port for music search.
17.	P07	RST	ı	Reset input.
18	1RQ1	R-SI	ı	Remote control input.
19	1RQ ₀	VOLT DN	ı	Power on/off detection terminal. Low level=OFF
20	P13	DOLBY-B	ı	Input port to switch DOLBY display.
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23	P04	MONITOR	0	High level on MONITOR mode. Low level on SOURCE mode.
24	P03	REC	0	REC/PLAY switching terminal. High level on REC.
25	P02	BIAS	0	BIAS control terminal. High level=BIAS ON
26	P01	REC MUTE	0	Recording amp. muting terminal. High level=MUTING ON
27:	P00	PB MUTE	0	Playback amp. muting terminal. High level=MUTING ON
28	P47	LINE MUTE	0	Line muting terminal. High level=MUTING ON
29	P46	RM1	0	Reel motor control. High level=active
30	P45	RM2	0	Reel motor control. High level=active
31	P44	RPC	0	Reel motor power control. High level=power down
1 32	P43	СРМ	0	Capstan motor control.

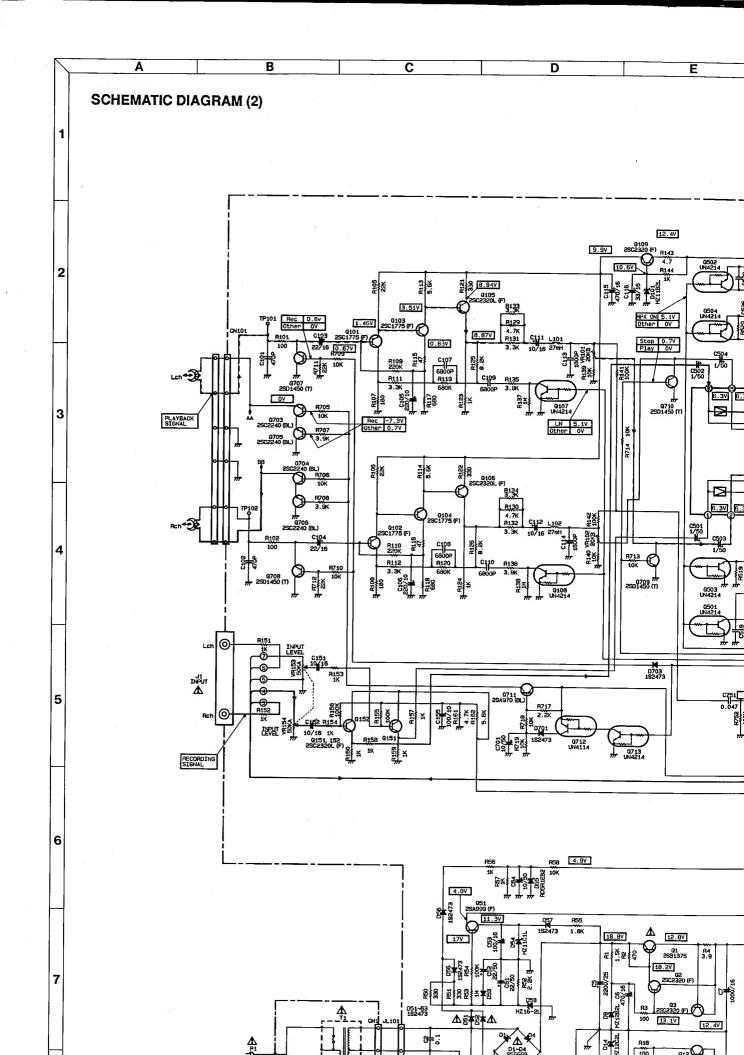
NOTE: Low level=0V High level=5.1V

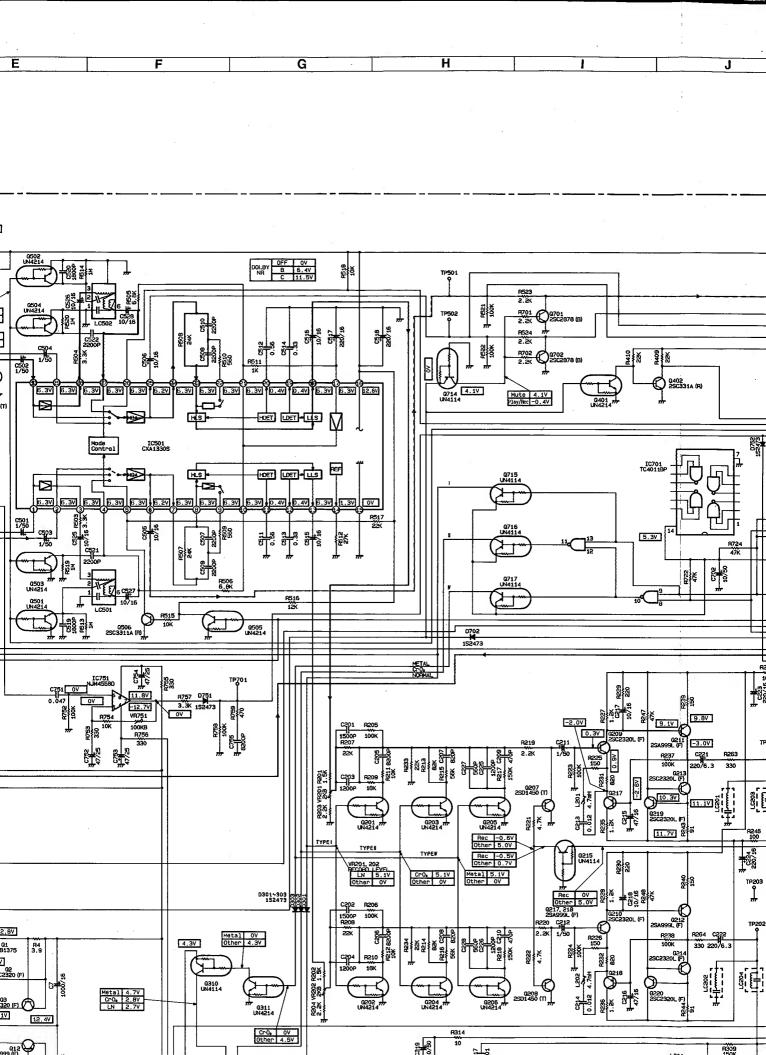






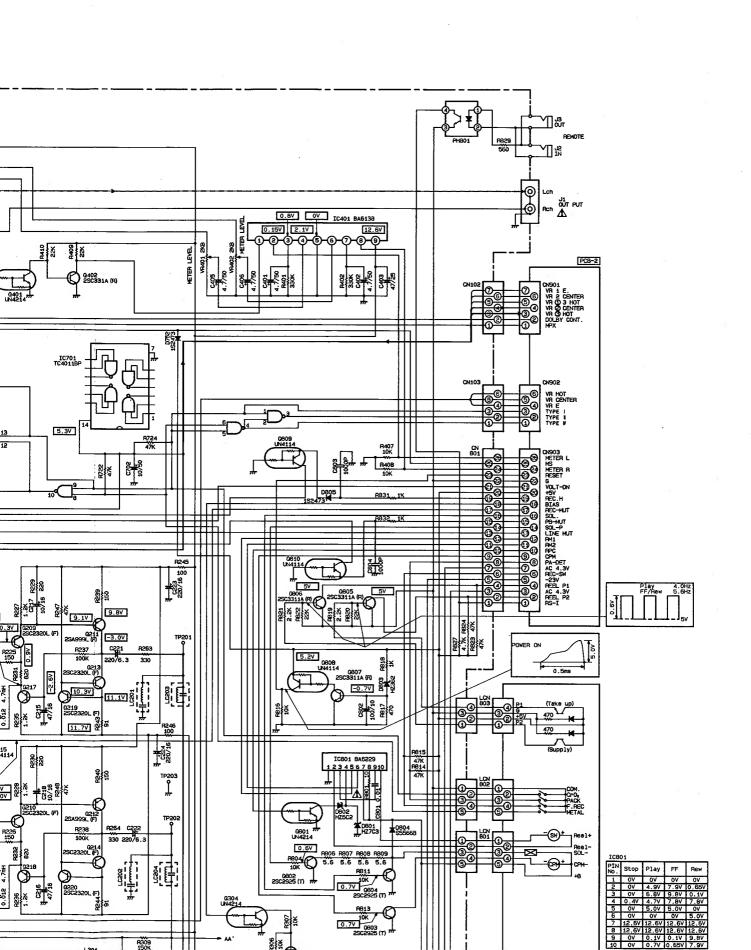






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